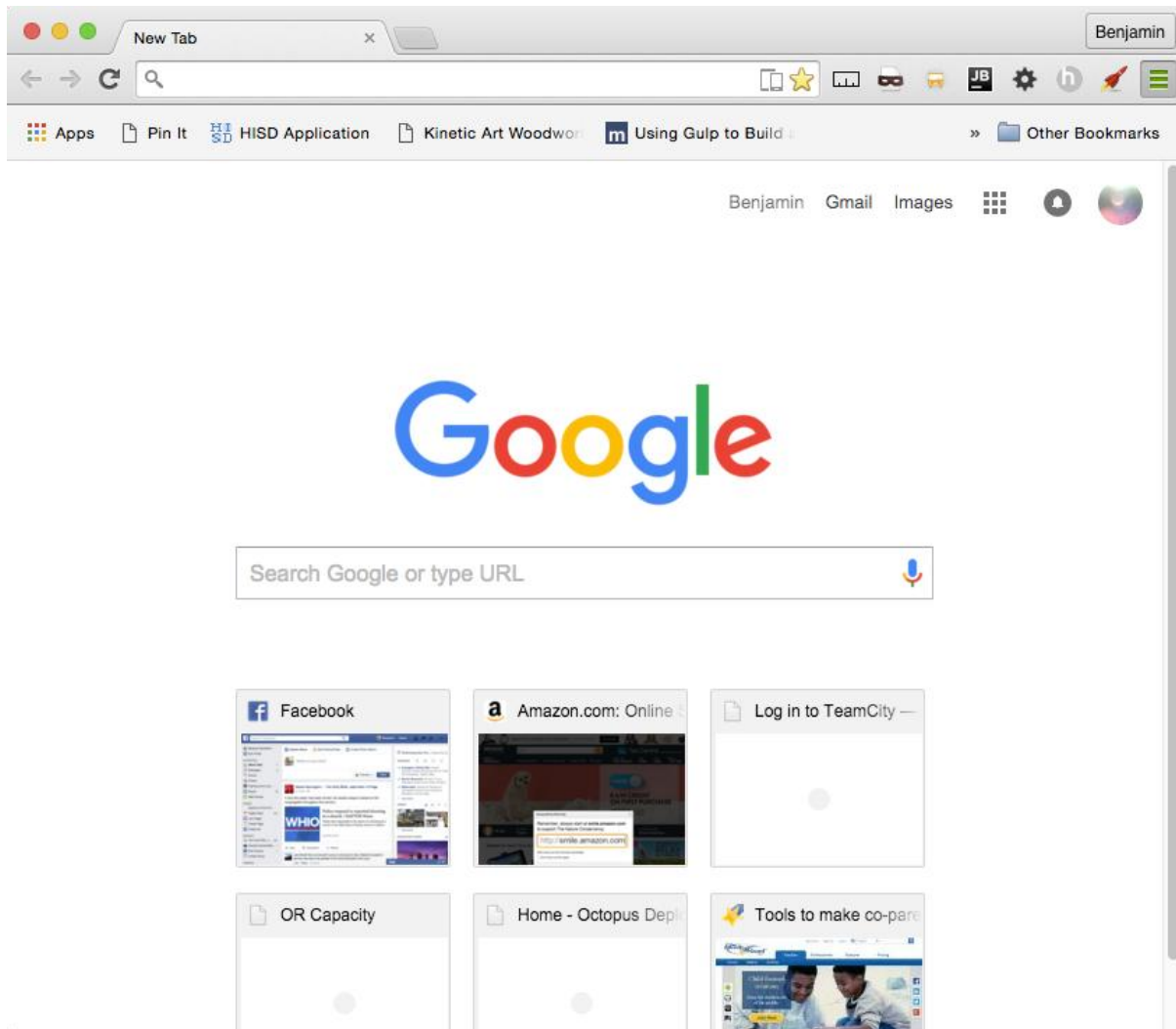
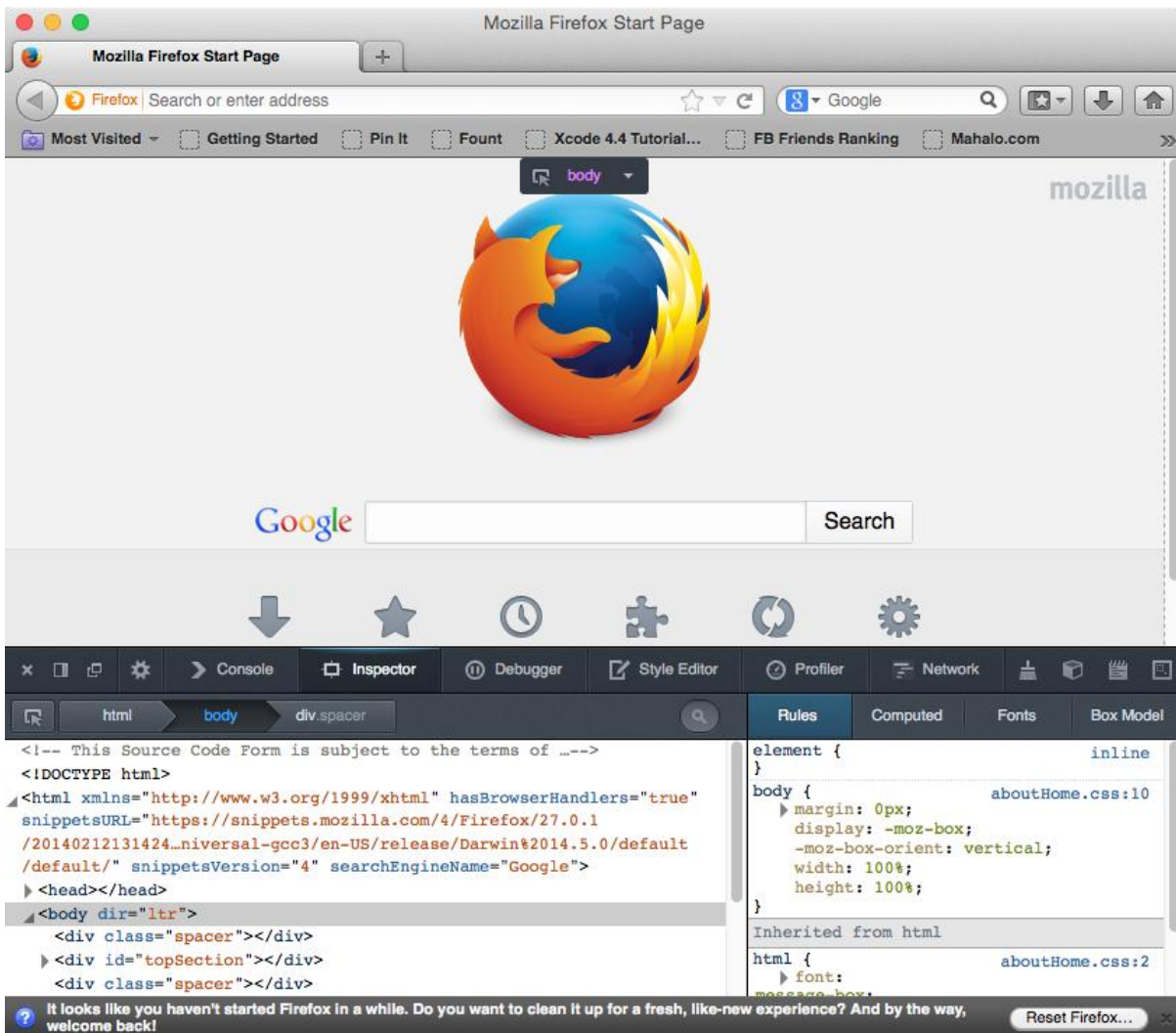
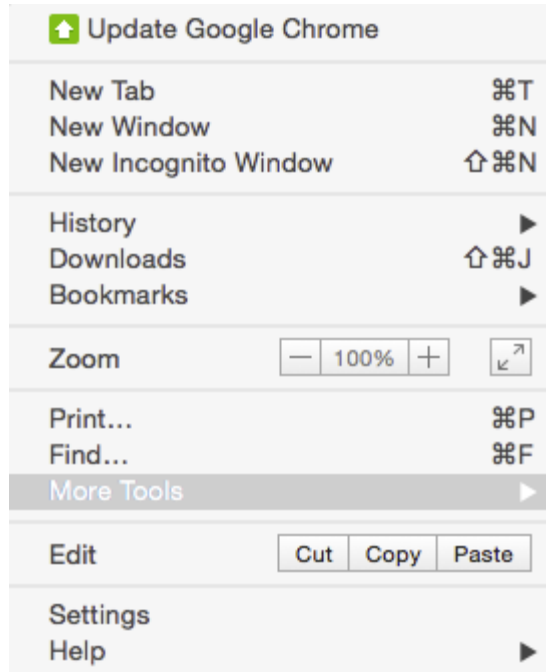


# Chapter 1: Responsive Web Design





Viewport META Tag Test

localhost:63342/WebtrendsReviews/Ch1/B03288\_01\_1.html

Device: Apple iPhone 6, Portrait, Screen 375 x 627, Zoom to fit

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body>
    <p>...</p>
  </body>
</html>
```

html body

Styles

```
element.style {
  margin: 8px;
  border: 1px solid #ccc;
  padding: 5px;
}
user agent style...
body {
  display: block;
  margin: 8px;
}
```

964 x 28

display: block; height: 28px;

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus feugiat tempor dui, ac volutpat lacus tempus id. Suspendisse feugiat est felis, vitae ultrices neque accumsan non. Curabitur lacus erat, suscipit eget sagittis eu, tincidunt eget urna.

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body>
    <p>...</p>
  </body>
</html>
```

html body

Styles Event Listeners >>

Filter +, -, <

element.style {	margin: 8px;
}	border: 1px solid #ccc;
user agent style {	padding: 5px 15px 5px 5px;
body {	display: block;
	margin: 8px;
}	

Filter  Show all

- display: block
- height: 42px

The screenshot shows a browser window with the address bar displaying `localhost:63342/WebtrendsReviews/Ch1/B03288_01_1.html`. The developer tools are open, and the 'Device' panel shows 'Apple iPhone 6' with a screen size of 375 x 627. The 'Styles' panel for the 'body' element shows the following CSS rules:

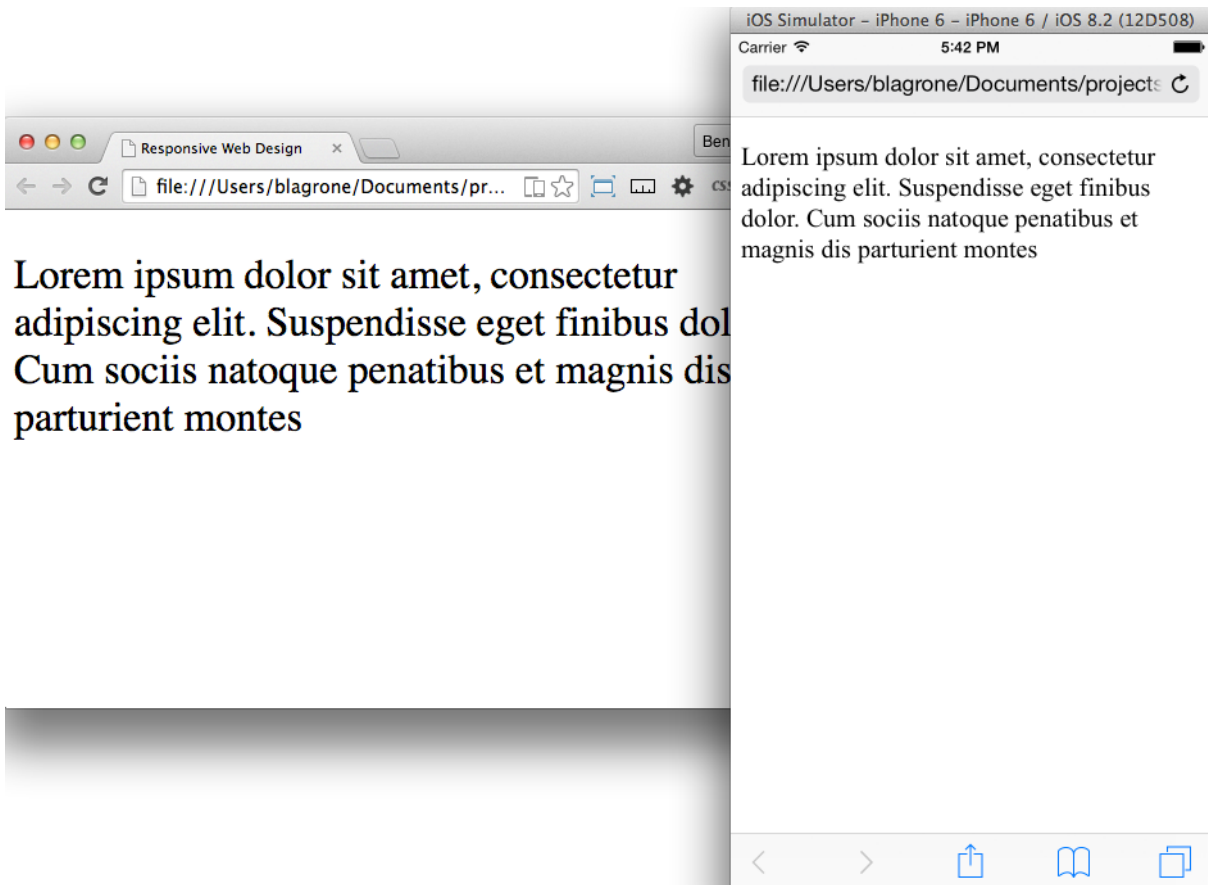
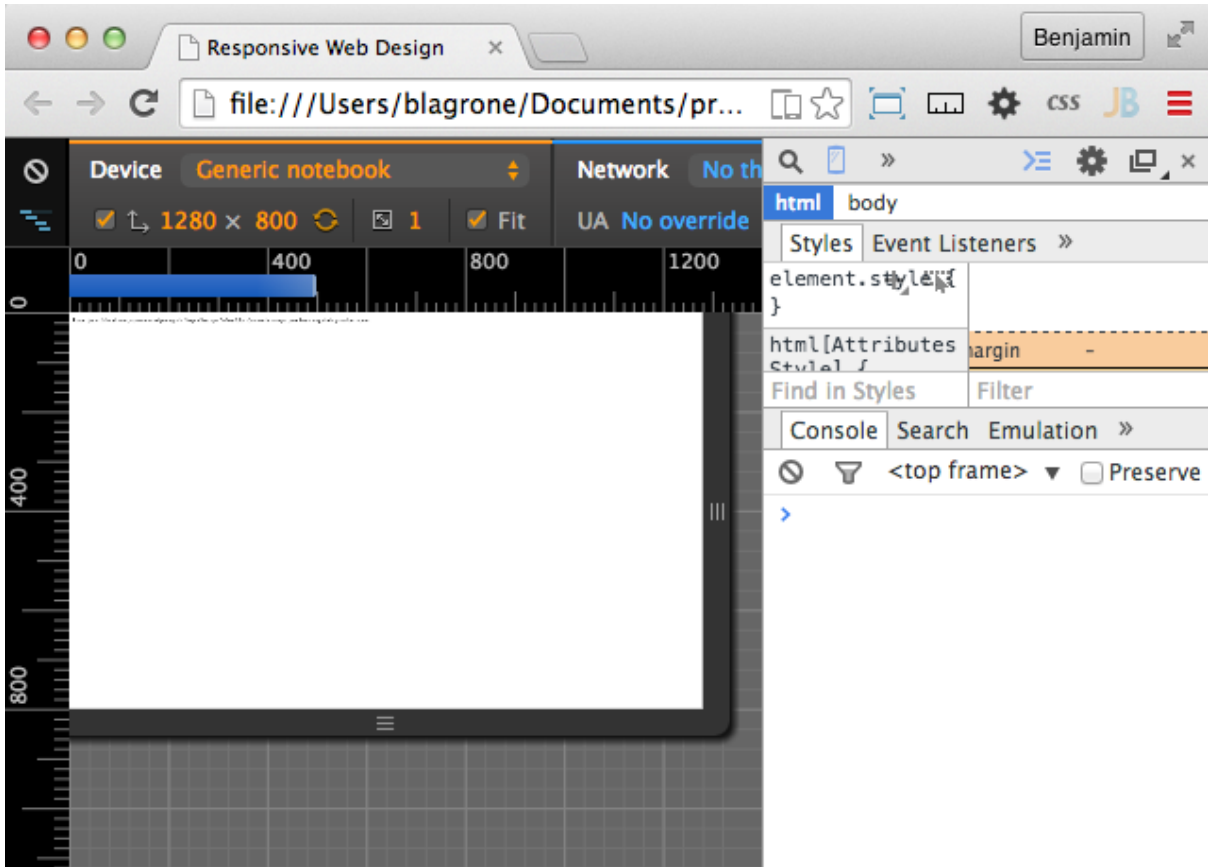
```

element.style {
  margin: 8px;
  border: 1px solid #ccc;
}
user agent styles
body {
  display: block;
  margin: 8px;
}

```

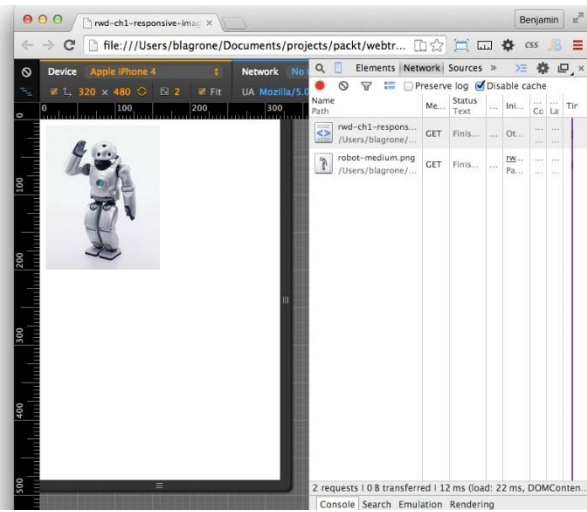
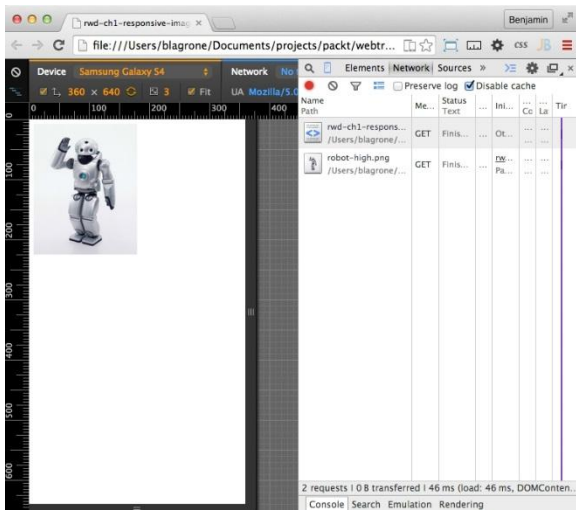
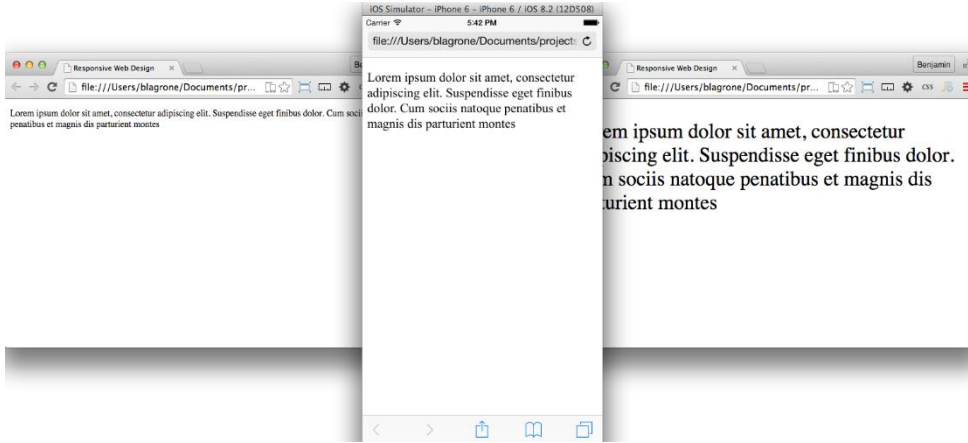
The visual box model for the 'body' element is shown with a width of 359px and a height of 56px. The padding is 0px on all sides, and the margin is 8px on all sides. The text content of the page is:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus feugiat tempor dui, ac volutpat lacus tempus id. Suspendisse feugiat est felis, vitae ultrices neque accumsan non. Curabitur lacus erat, suscipit eget sagittis eu, tincidunt eget urna.



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse eget finibus dolor. Cum sociis natoque penatibus et magnis dis parturient montes

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse eget finibus dolor. Cum sociis natoque penatibus et magnis dis parturient montes



iOS Simulator - iPhone 6 - iPhone 6 / iOS 8.2 (12D508)

Carrier 2:14 AM

file:///Users/blagrone/Documents/project

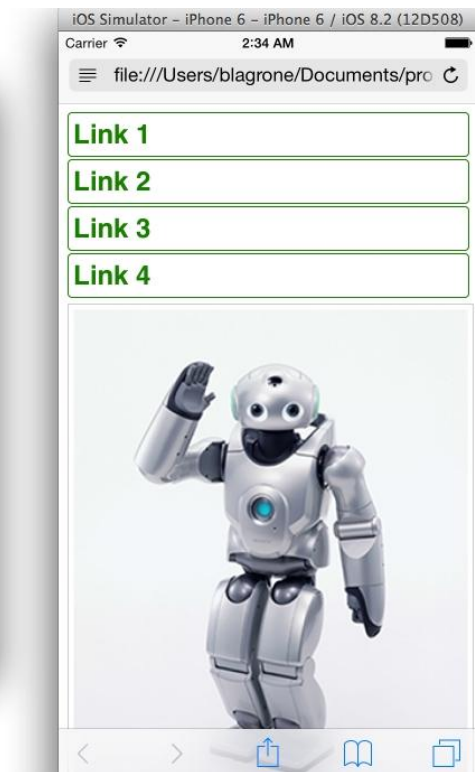
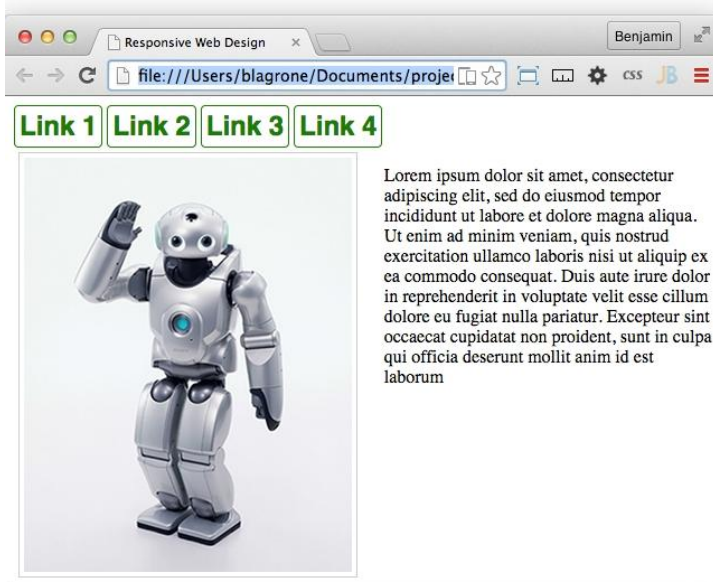
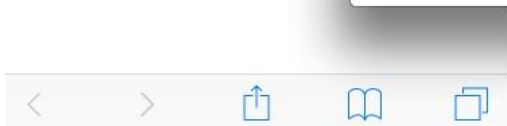


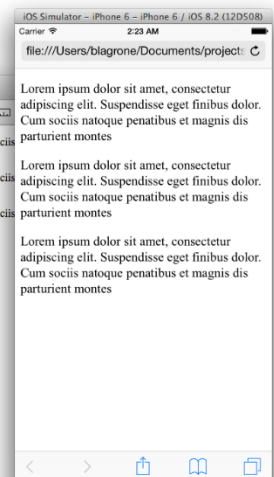
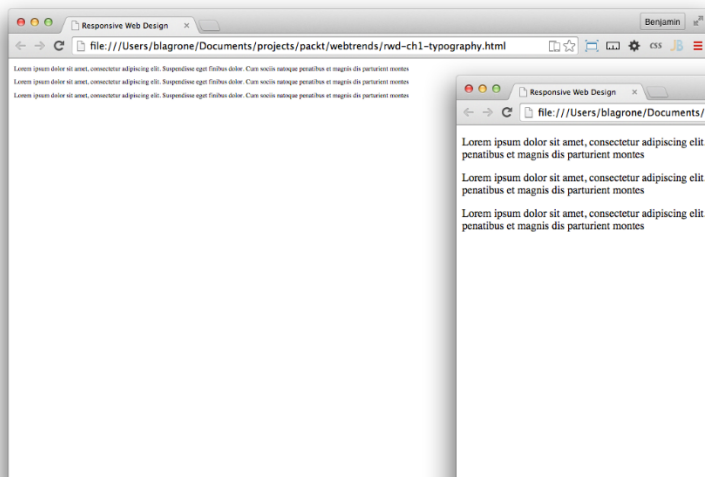
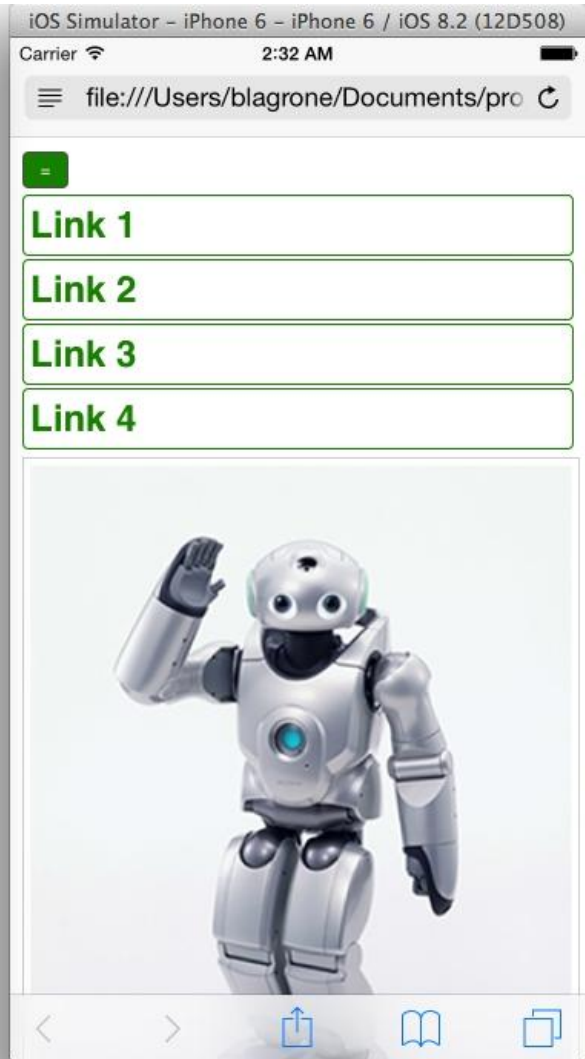
rwd-ch1-CSS-responsive - Benjamin

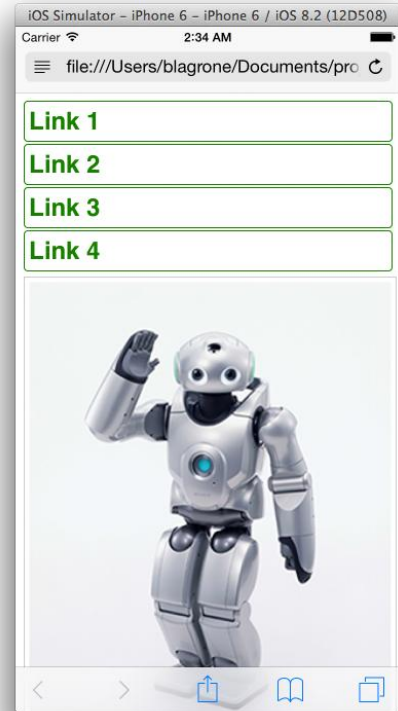
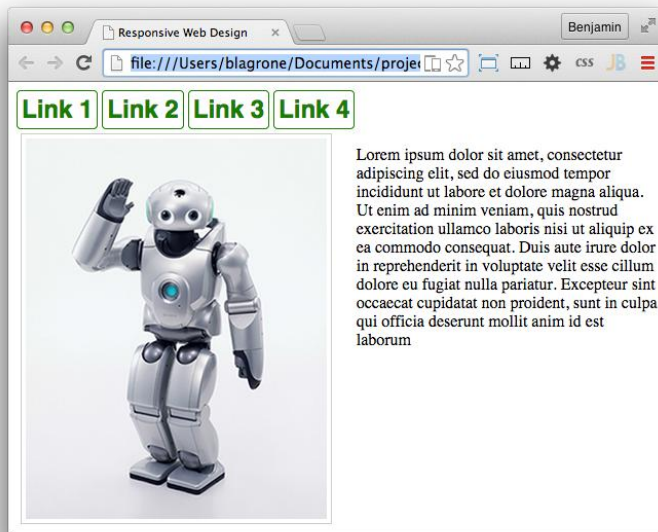
file:///Users/blagrone/Documents/proje



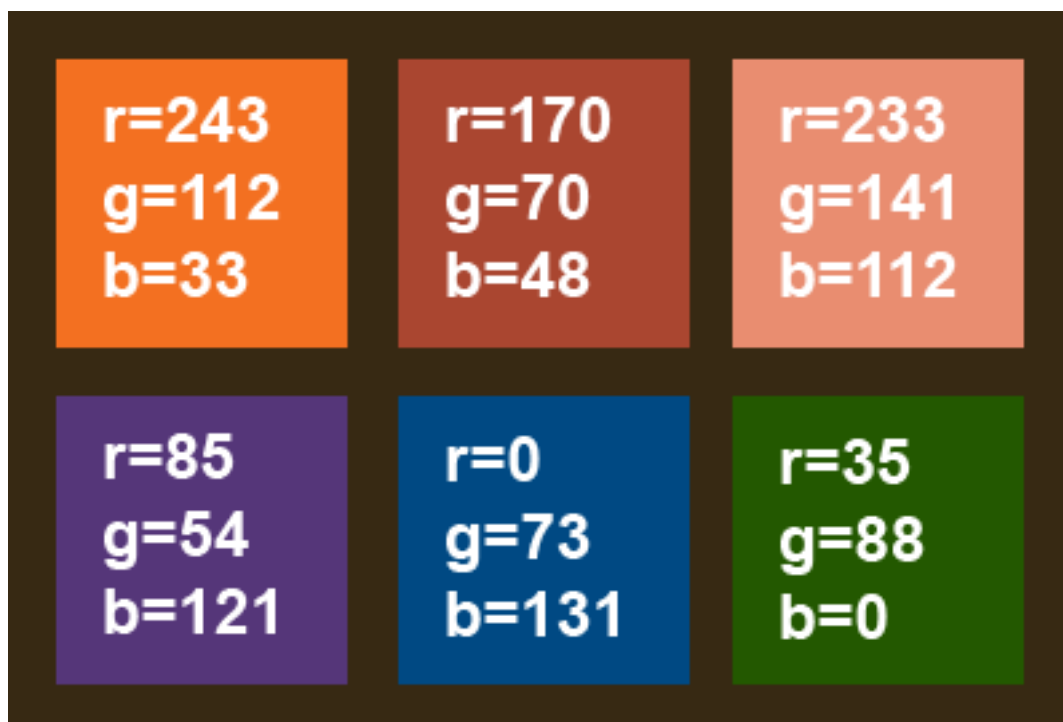








## Chapter 2: Flat UI



<b>r=0</b> <b>g=82</b> <b>b=156</b> <b>100%</b>	<b>r=0</b> <b>g=82</b> <b>b=156</b> <b>50%</b>	<b>r=0</b> <b>g=82</b> <b>b=156</b> <b>20%</b>
<b>r=0</b> <b>g=177</b> <b>b=106</b> <b>100%</b>	<b>r=0</b> <b>g=177</b> <b>b=106</b> <b>50%</b>	<b>r=0</b> <b>g=177</b> <b>b=106</b> <b>20%</b>

<b>r=52</b> <b>g=152</b> <b>b=219</b> <b>76%</b>	<b>r=52</b> <b>g=73</b> <b>b=94</b> <b>45%</b>	<b>r=133</b> <b>g=196</b> <b>b=237</b> <b>44%</b>
<b>r=88</b> <b>g=173</b> <b>b=227</b> <b>61%</b>	<b>r=15</b> <b>g=133</b> <b>b=209</b> <b>93%</b>	<b>r=6</b> <b>g=101</b> <b>b=162</b> <b>96%</b>

The image shows a web browser window with a mobile device simulation on the left and developer tools on the right. The device is a Samsung Galaxy Note 3 with a resolution of 360 x 640. The page displays a vertical stack of seven blue rectangular blocks, each containing the text "FOO". The developer tools show the HTML structure and the CSS styles for the root element.

**HTML Structure:**

```
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <style>...</style>
  </head>
  <body>
    <section>
      <div class="time color-0">FOO</div>
      <div>
        <div class="news color-1">FOO</div>
        <div class="tasks color-2">FOO</div>
      </div>
    </section>
    <section>
      <div class="weather color-3">FOO</div>
      <div>
        <div class="travel color-1">FOO</div>
        <div class="stock color-4">FOO</div>
      </div>
    </section>
    <footer class="wet-asphalt">FOOTER</footer>
  </body>
</html>
```

**CSS Styles:**

```
html {
  display: block;
}
```

The Styles pane also shows the user agent stylesheet for the root element, including margin, border, and padding properties. The padding is highlighted with a green box and labeled "padding - 360 x 694".

The image shows a web browser window displaying a responsive layout on a mobile device. The layout consists of a top blue bar with the text "FOO" repeated twice. Below this is a row of four light blue boxes, each containing the text "FOO". The browser's developer tools are open on the right side, showing the HTML and Styles panels.

The HTML panel shows the following structure:

```
<!DOCTYPE html>
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <style>...</style>
  </head>
  <body>
    <section>
      <div class="time color-0">FOO</div>
      <div>
        <div class="news color-1">FOO</div>
        <div class="tasks color-2">FOO</div>
      </div>
    </section>
    <section>
      <div class="weather color-3">FOO</div>
      <div>
        <div class="travel color-1">FOO</div>
        <div class="stock color-4">FOO</div>
      </div>
    </section>
    <footer class="wet-asphalt">FOOTER</footer>
  </body>
</html>
```

The Styles panel shows the following CSS rules for the selected element:

```
element.style {
}
html {
  display: block;
}
margin: -
border: -
padding: 640 x 377
```

The screenshot shows a web browser displaying a mobile application interface on the left and its developer tools on the right. The browser's address bar shows the file path: `file:///Users/benjamincottlagrone/Documents/Packt/FlatUI/Flat-UI-code-sample/flatUI-demo.html`. The browser's user agent string is `UA Mozilla/5.0 (Linux; U; Android 4.3;...`.

The application interface on the left is a mobile app with a blue theme. It displays the following content:

- Time: 23:40:04
- Date: Sunday, August 2015
- Section: Title 1
- Text: Lorem ipsum dolor sit amet, consectetur adipiscing elit,
- Section: Title 2
- List:
  - 8:00am: Eiusmod tempor incididunt ut labore et dolore magna aliqua. Wake up, fall out of bed
  - Title 3
  - 9:00am: Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat
- Section: WEATHER
- List:
  - 10:00am
    - 104
    - Find your way downstairs and Drink a cup
    - 94
  - 11:00am
    - Low
    - Pollen 3.5
    - Humidity 90%
    - Looking up, notice you are late
    - Precipitation 90%
  - 12:00am
    - Wind 0
    - 9 ICON 95
    - 12 ICON 100
- Section: TRAVEL
- Text: Looking up, notice you are late
- Text: Minutes to work and grab your hat

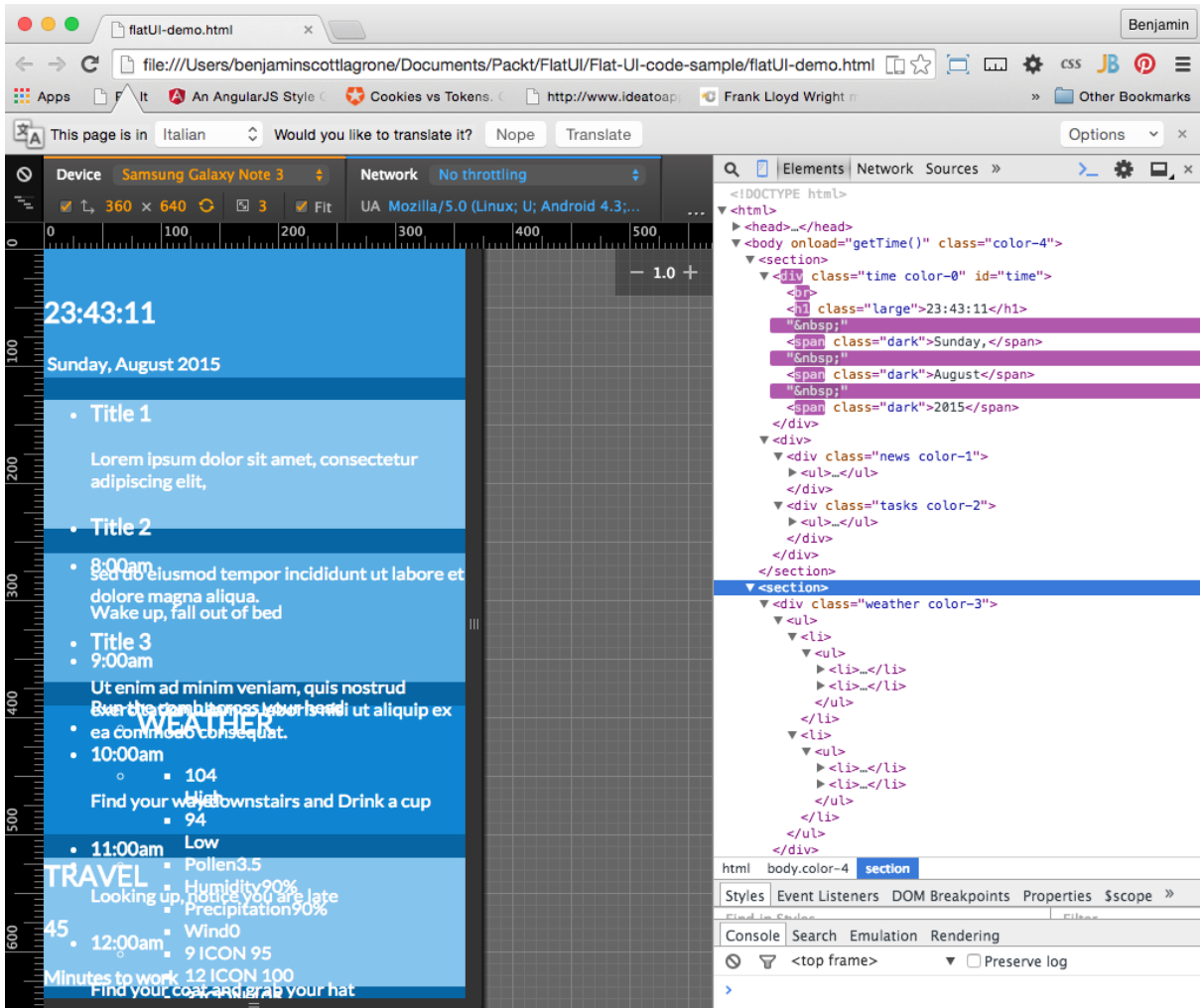
The developer tools on the right show the HTML structure of the page. The selected element is `<body onload="getTime()" class="color-4">`. The DOM tree shows the following structure:

```
<section>
  <div class="time color-0" id="time">
    <h1 class="large">23:40:04</h1>
    <span class="dark"> Sunday,</span>
    <span class="dark"> August</span>
    <span class="dark"> 2015</span>
  </div>
  <div class="news color-1">
    <ul></ul>
  </div>
  <div class="tasks color-2">
    <ul></ul>
  </div>
</section>
<section>
  <div class="weather color-3">
    <ul>
      <li></li>
      <li></li>
    </ul>
  </div>
  <div class="travel color-1">
    <h2>TRAVEL</h2>
    <h3>45</h3>
    <h4>Minutes to work</h4>
  </div>
  <div class="stock color-4">
    <ul></ul>
  </div>
</div>
```



The image shows a web browser window displaying a mobile application interface. The browser's address bar shows the file path: `file:///Users/benjamin.../Documents/Packt/FlatUI/Flat-UI-code-sample/flatUI-demo.html`. The browser interface includes a search bar, navigation buttons, and a translation prompt. The mobile app interface is displayed on a virtual device with a resolution of 640 x 360. It features a dark blue header with the time **23:40:08** and the date **Sunday, August 2015**. Below the header, there are several sections: **Title 1** with placeholder text, **Title 2** with placeholder text, **8:00am** and **9:00am** with associated text, **WEATHER** with a list of weather details (104 High, 94 Low, Pollen 3.5, Humidity 90%, Precipitation 90%, Wind 0), **TRAVEL** with a list of travel details (9 ICON 95, 12 ICON 100, 3 ICON 105, 6 ICON 105), and **FOO** with a list of details (104, +5.5). The browser's developer tools are open on the right, showing the HTML structure of the page. The selected element is `body` with class `color-4`. The HTML code is as follows:

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body onload="getTime()" class="color-4">
    <section>
      <div class="time color-0" id="time">
        <span class="large">23:40:08</span>
        <span class="dark">Sunday,</span>
        <span class="dark">August</span>
        <span class="dark">2015</span>
      </div>
      <div class="news color-1">
        <ul>...</ul>
      </div>
      <div class="tasks color-2">
        <ul>...</ul>
      </div>
    </section>
    <div class="weather color-3">
      <ul>
        <li>...</li>
        <li>...</li>
      </ul>
    </div>
    <div class="travel color-1">
      <h2>TRAVEL</h2>
      <h3>45</h3>
      <h4>Minutes to work</h4>
    </div>
    <div class="stock color-4">
      <ul>...</ul>
    </div>
  </body>
</html>
```



The image shows a web browser window displaying a mobile UI mockup on the left and its corresponding HTML code in the developer tools on the right. The browser's address bar shows the file path: `file:///Users/benjamin.../Documents/Packt/FlatUI/Flat-UI-code-sample/flatUI-demo.html`. The developer tools are open to the 'Elements' panel, showing the DOM tree. The selected element is a `div` with class `time color-0` and id `time`. The code structure is as follows:

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body onload="getTime()" class="color-4">
    <section>
      <div class="time color-0" id="time">
        <h1 class="large">23:43:15</h1>
        <span class="dark">Sunday,</span>
        <span class="dark">August</span>
        <span class="dark">2015</span>
      </div>
      <div class="news color-1">
        <ul>...</ul>
      </div>
      <div class="tasks color-2">
        <ul>...</ul>
      </div>
    </section>
    <section>
      <div class="weather color-3">
        <ul>
          <li>
            <ul>
              <li>...</li>
              <li>...</li>
            </ul>
          </li>
          <li>
            <ul>
              <li>...</li>
              <li>...</li>
            </ul>
          </li>
        </ul>
      </div>
    </section>
  </body>
</html>
```

The UI mockup on the left features a dark blue header with the time `23:43:15` and the date `Sunday, August 2015`. Below the header, there are sections for `TRAVEL` and `WEATHER`. The `TRAVEL` section includes a list of tasks with times like `8:00am` and `9:00am`. The `WEATHER` section displays weather conditions such as `Humidity 90%`, `Precipitation 0%`, and `Wind 104`. The developer tools also show a 'Device' emulation panel with a resolution of `640 x 360` and a user agent string of `Mozilla/5.0 (Linux; U; Android 4.3;...`.

The image shows a web browser window displaying a mobile UI mockup on the left and its corresponding HTML code in the developer tools on the right. The browser's address bar shows the file path: `file:///Users/benjamin.../Documents/Packt/FlatUI/Flat-UI-code-sample/flatUI-demo.html`. The developer tools are open to the 'Elements' panel, showing the following HTML structure:

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body onload="getTime()" class="color-4">
    <section>
      <div class="time color-0" id="time">
        <h1 class="large">23:45:48</h1>
        <span class="dark">Sunday,</span>
        <span class="dark">August</span>
        <span class="dark">2015</span>
      </div>
      <div class="news color-1">
        <ul>
          <li>...</li>
          <li>...</li>
          <li>...</li>
        </ul>
      </div>
      <div class="tasks color-2">
        <ul>
          <li>...</li>
          <li>...</li>
          <li>...</li>
          <li>...</li>
        </ul>
      </div>
    </section>
    <div class="weather color-3">
      <ul>
        <li>...</li>
      </ul>
    </div>
  </body>
</html>
```

The UI mockup on the left is a mobile interface with a blue background. It features a large digital clock at the top, followed by the day and date. Below this are several sections: a list of titles, a weather forecast with a cloud icon, a list of tasks, and a weather summary with a bicycle icon. The developer tools show the HTML structure for these elements, with the 'div.stock.color-4' element selected in the 'Styles' panel.

The image shows a web browser window displaying a mobile UI demo and its corresponding HTML code in the developer tools. The browser window has a title bar with the name "Benjamin" and a URL bar showing "file:///Users/benjaminscottlagrone/Documents/Packt/FlatUI/Flat-UI-code-sample/flatUI-demo.html". The browser's address bar also shows "file:///Users/benjaminscottlagrone/Documents/Packt/FlatUI/Flat-UI-code-sample/flatUI-demo.html". The browser's toolbar includes a search bar with the text "This page is in Italian" and a "Translate" button. The browser's tabs include "An AngularJS Style", "Cookies vs Tokens", "http://www.ideatoap", and "Frank Lloyd Wright".

The developer tools are open, showing the "Elements" panel. The "Elements" panel displays the following HTML structure:

```
<!DOCTYPE html>
<html>
<head>...</head>
<body onload="getTime()" class="color-4">
  <section>
    <div class="time color-0" id="time">
      <span class="large">23:45:53</h1>
      <span class="dark">Sunday,</span>
      <span class="dark">August</span>
      <span class="dark">2015</span>
    </div>
    <div class="news color-1">
      <ul>
        <li>...</li>
        <li>...</li>
        <li>...</li>
      </ul>
    </div>
    <div class="tasks color-2">
      <ul>
        <li>...</li>
        <li>...</li>
        <li>...</li>
        <li>...</li>
      </ul>
    </div>
  </section>
  <section>
    <div class="weather color-3">
      <ul>
        <li>...</li>
      </ul>
    </div>
  </section>

```

The "Styles" panel shows the following styles for the selected element:

```
html
body.color-4
section
div
div.stock.color-4
```

The "Console" panel shows the following text:

```
<top frame>
Preserve log
```

The mobile UI demo shows a dark blue background with a white clock showing "23:45:53" and "Sunday, August 2015". Below the clock are two columns of content. The left column has two items, each with a title and a description. The right column has a weather forecast for "FOO" with a temperature of "104", a high of "94", and a low of "Low". The weather forecast also includes a "more" button. The mobile UI demo is displayed on a device with a resolution of 640 x 360 and a user agent of "Mozilla/5.0 (Linux; U; Android 4.3;...".

flatUI-demo.html Benjamin

file:///Users/benjaminscottlagrone/Documents/Packt/FlatUI/Flat-UI-code-sample/flatUI-demo.html

This page is in Italian Would you like to translate it? Nope Translate

Device Samsung Galaxy Note 3 Network No throttling

UA Mozilla/5.0 (Linux; U; Android 4.3; ...)

23:48:08 Sunday, August 2015

Title 1 Lorem ipsum dolor sit amet, co... sed do e

8:00am 9:00am Wake up, fall out of bed ... Run the

104	Pollen3.5	9 ☀ 95
High	Humidity90%	12 ☀ 100
94	Precip90%	3 ☁ 105
Low	Wind0	6 ☁ 105

45 Minutes to work

104 +5.5 FOO more

Elements Network Sources

```

<!DOCTYPE html>
<html>
  <head></head>
  <body onload="getTime()" class="color-4">
    <section>
      <div class="time color-0" id="time">
        <h1 class="large">23:48:08</h1>
        <span class="dark">Sunday,</span>
        <span class="dark">August</span>
        <span class="dark">2015</span>
      </div>
      <div class="news color-1 scroll">
        <ul>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
        </ul>
      </div>
      <div class="tasks color-2 scroll">
        <ul>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
        </ul>
      </div>
    </section>
    <section>
      <div class="weather color-3">
        <ul>
          <li></li>
          <li></li>
        </ul>
      </div>
    </section>
  </body>
</html>

```

html body.color-4 section div div.stock.color-4.center

Styles Event Listeners DOM Breakpoints Properties \$scope

Console Search Emulation Rendering

<top frame> Preserve log

flatUI-demo.html Benjamin

file:///Users/benjaminscottlagrone/Documents/Packt/FlatUI/Flat-UI-code-sample/flatUI-demo.html

This page is in Italian Would you like to translate it? Nope Translate

Device <Select model> Network No throttling

UA Mozilla/5.0 (Linux; U; Android 4.3;...

640 x 360 3 Fit

23:48:04 Sunday, August 2015

Pollen 3.5 95  
Humidity 90% 12 100  
Precip 90% 3 105  
Wind 0 6 105

104 High 94 Low

Title 1 8:00am Wake up, fall out of bed

Title 2 9:00am Run the comb across your h...

Title 3 10:00am

FOOTER

45 Minutes to work

104 +5.5 more

Elements Network Sources

```
<!DOCTYPE html>
<html>
  <head></head>
  <body onload="getTime()" class="color-4">
    <section>
      <div class="time color-0" id="time">
        <h1 class="large">23:48:04</h1>
        <span class="dark">Sunday,</span>
        <span class="dark">August</span>
        <span class="dark">2015</span>
      </div>
      <div class="news color-1 scroll">
        <ul>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
        </ul>
      </div>
      <div class="tasks color-2 scroll">
        <ul>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
          <li class="ellipsis"></li>
        </ul>
      </div>
    </section>
    <section>
      <div class="weather color-3">
        <ul>
          <li></li>
          <li></li>
        </ul>
      </div>
    </section>
  </body>
</html>
```

html body.color-4 section div div.stock.color-4.center

Styles Event Listeners DOM Breakpoints Properties \$scope

Console Search Emulation Rendering

<top frame> Preserve log

# Chapter 3: Parallax Scrolling

The screenshot shows a web browser window at localhost:63342/webtrendsSideScroller/index-v2.html. The browser's address bar and tabs are visible at the top. The main content area is mostly black, indicating a dark theme or a specific page design. The developer tools are open on the right side, showing the 'Elements' panel with the following HTML structure:

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body style="background-color: black;">
    <main class="black">
      <section id="space">
        <div id="p0" class="row">
          <i class="fa fa-moon-o fa-5x">...</i>
        </div>
        <div id="p1" class="row"></div>
      </section>
      <section id="stratosphere" class="wet-asphalt">...</section>
      <section id="sky" class="color-1">...</section>
      <section id="objects"></section>
      <section id="terra">...</section>
    </main>
    <div id="window-resizer-tooltip" style="display: none;">...</div>
  </body>
</html>
```

The 'Styles' panel is also open, showing the default user agent styles for the selected `div` element:

```
element.style {
}
div {
  display: block;
}
```

The 'Properties' panel shows the following styles for the `div` element:

- `margin`: -
- `border`: -
- `padding`: -
- `width`: 538 x 80

The 'Properties' panel also includes a 'Show inherited' checkbox and the following inherited styles:

```
display: block;
height: 80px;
width: 538px;
```



localhost:63342/webtrendsSideScroller/index-v2.html

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <main class="black">
      <section id="space">
        <div id="p0" class="row">
          <i class="fa fa-moon-o yellow fa-5x"></i>
        </div>
        <div id="p1" class="row"></div>
      </section>
      <section id="stratosphere" class="wet-asphalt">
        ...</section>
      <section id="skull" class="color-1b"></section>
    </main>
  </body>
</html>
```

```
element.style {
  margin: -
  border: -
  padding: 68.578 x 80
}

.yellow {
  color: yellow;
}

.fa-5x {
  font-size: 5em;
}

.fa {
  display: inline-block;
  font-size: 14px/1 FontAwesome;
  font-size: inherit;
  text-rendering: auto;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}

i, cite, em, user agent stylesheet
var, address, dfn {
```

localhost:63342/webtrendsSideScroller/index-v2.html

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body style="background-color: black;">
    <main class="black">
      <section id="space">
        <div id="p0" class="row">
          <i class="fa fa-moon-o yellow fa-5x"></i>
        </div>
        <div id="p1" class="row">
          <div id="stars">
            <i class="fa fa-star yellow"></i>
            <i class="fa fa-star yellow"></i>
            <i class="fa fa-star yellow"></i>
            <i class="fa fa-star yellow"></i>
            <i class="fa fa-star yellow"></i>
            <i class="fa fa-star yellow"></i>
            <i class="fa fa-star yellow"></i>
            <i class="fa fa-star yellow"></i>
            <i class="fa fa-star yellow"></i>
          </div>
        </div>
      </section>
    </main>
  </body>
</html>
```

```
html body main.black section#space div#p1.row
  margin: -
  border: -
  padding: 538 x 90
}

div {
  display: block;
}

i, cite, em, user agent stylesheet
var, address, dfn {
```

localhost:63342/webtrends x Benjamin

localhost:63342/webtrendsSideScroller/index-v2.html

Apps Pin It Using Gulp to Build Octopus 2.0 UI: Ang Run node/grunt/gulp octopus-deploy

```

<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <main class="black">
      ...</main>
    </body>
  </html>

```

html body

Styles Event Listeners >>

Fi + -

element.style {

index-v2.html: body {

margin: >

margin	-
border	-
padding	-
width	765 x 650

localhost:63342/webtrends x Benjamin

localhost:63342/webtrendsSideScroller/index-v2.html

Apps Pin It Using Gulp to Build Octopus 2.0 UI: Ang Run node/grunt/gulp octopus-deploy

```

<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <main class="black">
      ...</main>
    </body>
  </html>

```

html body

Styles Event Listeners >>

Fi + -

element.style {

index-v2.html: body {

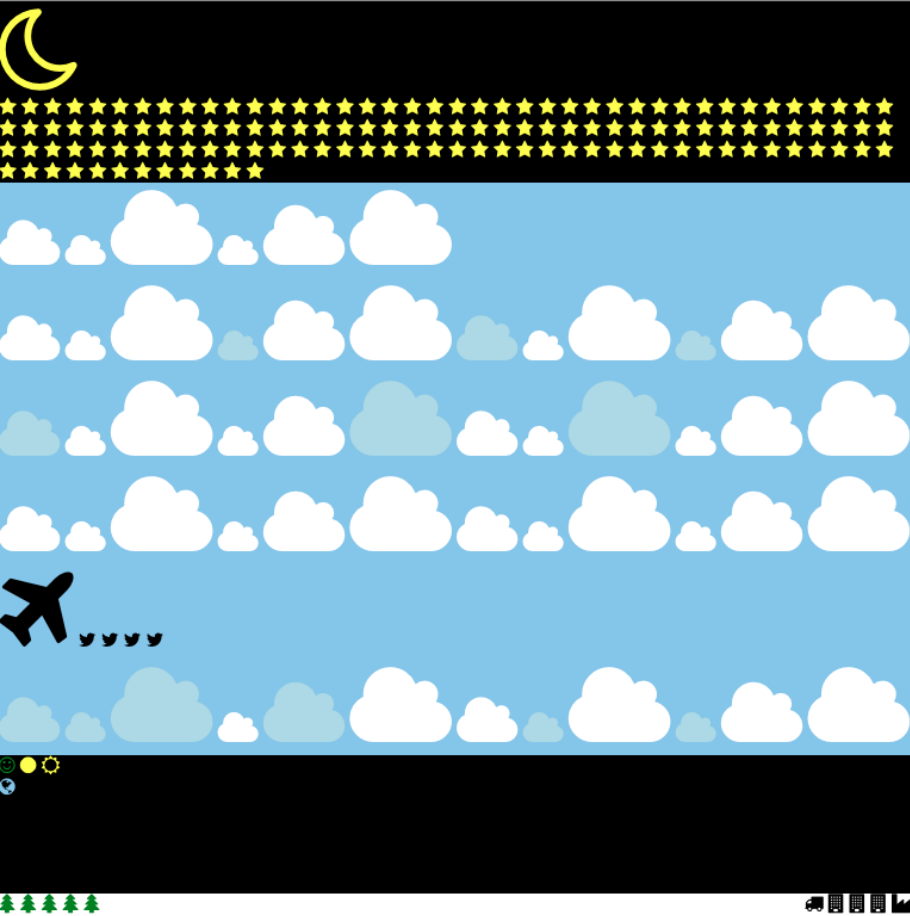
margin: >

margin	-
border	-
padding	-
width	765 x 748

localhost:63342/webtrends x Benjamin

localhost:63342/webtrendsSideScroller/index-v2.html

Apps Pin It Using Gulp to Build Octopus 2.0 UI: Ang Run node/grunt/gulp octopus-deploy



html body

Styles Event Listeners >>

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <main class="black">
      ...</main>
    </body>
  </html>
```

The browser window displays a space-themed background with a rocket, clouds, and stars. The developer tools are open, showing the HTML structure and CSS styles for a fire icon.

```
HTML Structure:  
... <div id="rocket">  
  <span>  
    <i class="fa fa-rocket fa-5x grey-1">...</i>  
    <i class="fa fa-rocket fa-5x silver">...</i>  
    <i class="fa fa-fire yellow">  
      ::before  
    </i>  
  </span>  
</div>  
</section>  
<section id="terra">  
  ...</section>  
</main>
```

Selected Element: `span > i.fa.fa-fire.yellow`

Styles:

```
element.style {  
  margin: -  
  order: -  
  padding: -  
}  
index-v2.html:  
.fa-fire {  
  position: fixed;  
  bottom: 12px;  
  left: 12px;  
  text-shadow: 0 0 20px  
}
```

The browser window displays the same space-themed background as the first image. The developer tools are open, showing the HTML structure and CSS styles for a fire icon.

```
HTML Structure:  
... <div id="rocket">  
  <span>  
    <i class="fa fa-rocket fa-5x grey-1">...</i>  
    <i class="fa fa-rocket fa-5x silver">...</i>  
    <i class="fa fa-fire yellow">  
      ::before  
    </i>  
  </span>  
</div>  
</section>  
<section id="terra">  
  ...</section>  
</main>
```

Selected Element: `span > i.fa.fa-fire.yellow`

Styles:

```
element.style {  
  margin: -  
  order: -  
  padding: -  
}  
index-v2.html:  
.fa-fire {  
  position: fixed;  
  bottom: 12px;  
  left: 12px;  
  text-shadow: 0 0 20px  
}
```

localhost:63342/webtrends x Benjamin

localhost:63342/webtrendsSideScroller/index-v2.html

Apps Pin It Using Gulp to Build Octopus 2.0 UI: Ang Run node/grunt/gulp octopus-deploy Other Bookmarks

```

    <div id="rocket">
      <span>
        <i class="fa fa-rocket fa-5x grey-1"></i>
        <i class="fa fa-rocket fa-5x silver"></i>
        <i class="fa fa-fire yellow">
          ::before
        </i>
      </span>
    </div>
  </section>
  <section id="terra">
    ...</section>
  </main>
  ... span i.fa.fa-fire.yellow
  Styles Event Listeners >>
  Fi + <img alt="Rocket icon" data-bbox="328 415 372 465"/>
  element.style {
  }
  index-v2.html:
  .fa-fire {
    position: fixed;
    bottom: 12px;
    left: 12px;
    text-shadow: 0 0 20px
  }
  padding: 12.578 x 16px
  Show inherit -webkit-
  
```

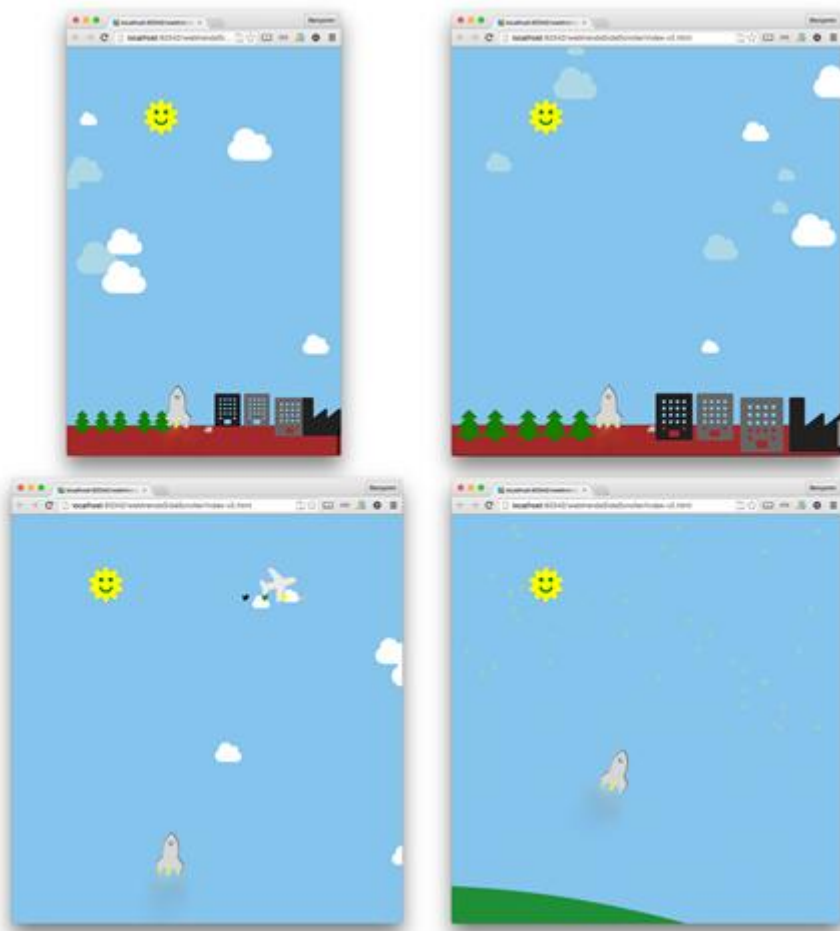
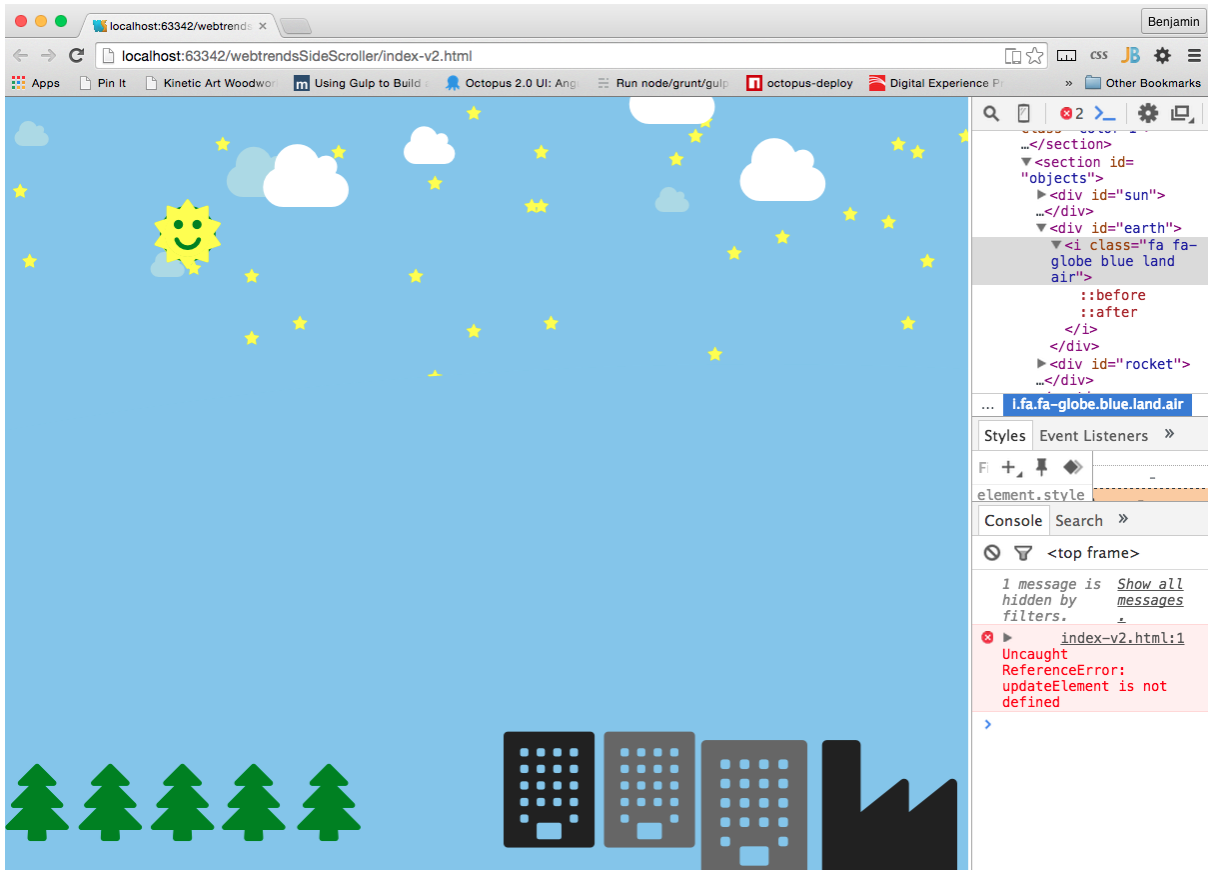
localhost:63342/webtrends x Benjamin

localhost:63342/webtrendsSideScroller/index-v2.html

Apps Pin It Using Gulp to Build Octopus 2.0 UI: Ang Run node/grunt/gulp octopus-deploy Digital Experience P Discourses by Epict Other Bookmarks

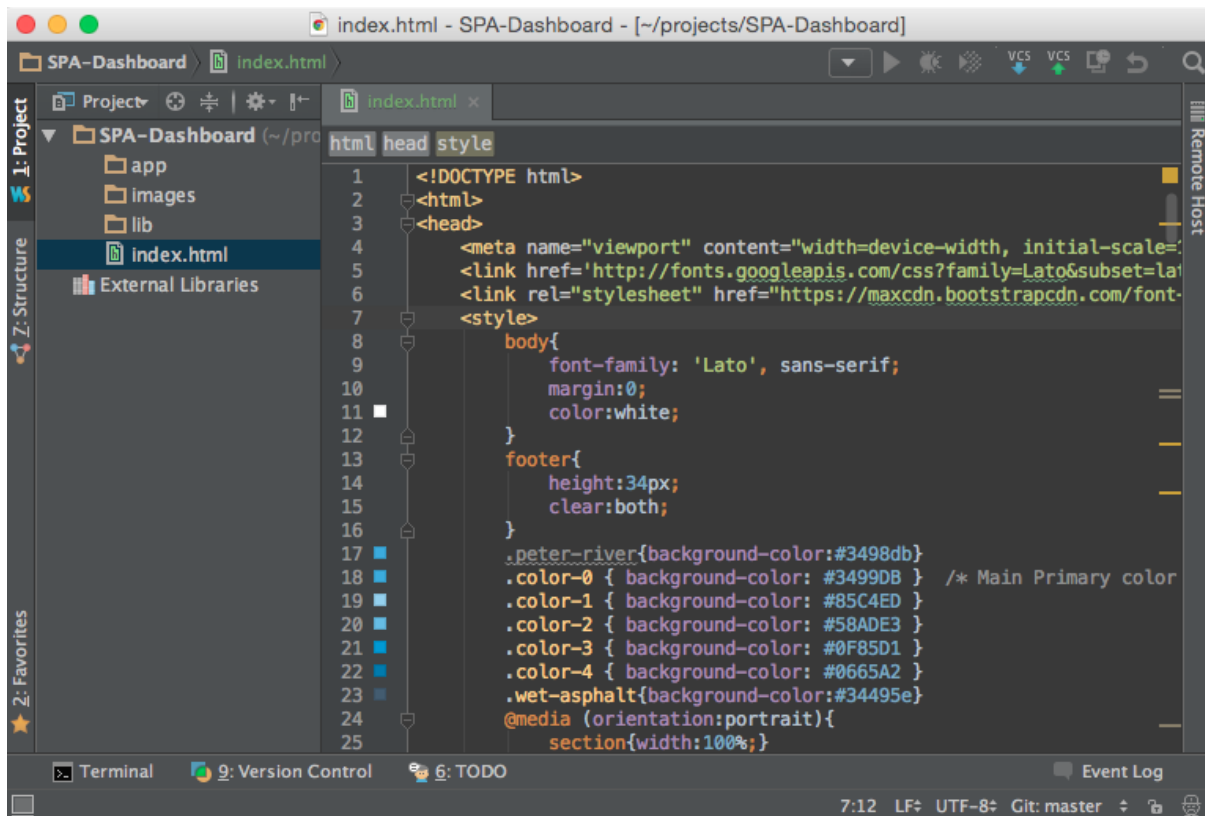
```

    ...</section>
    <section id="objects">
      <div id="sun">
        ...</div>
      <div id="earth">
        <i class="fa fa-globe blue land air">
          ::before
          ::after
        </i>
      </div>
      <div id="rocket">
        ...</div>
    </section>
    ... i.fa.fa-globe.blue.land.air
    Styles Event Listeners >>
    Fi + <img alt="Globe icon" data-bbox="328 710 372 760"/>
    element.style {
    }
    Console Search >>
    <top frame>
    1 message is hidden by filters.
  >
  
```





# Chapter 4: Single Page Applications





localhost:63342/SPA-Dash x Benjamin

localhost:63342/SPA-Dashboard/index.html

# 22:03:43

Wednesday, December 15

Title 1  
Lorem ipsum dolor sit amet, co...

Title 2  
sed do eiusmod tempor inci...

8:00am  
Wake up, fall out of bed ...

9:00am  
Run the comb across your h...

104  
High  
94  
Low

Pollen3.5  
Humidity90%  
Precip90%  
Wind0

9 95  
12 100  
3 105  
6 105

45 Minutes to work

FOO 104 +5.5 more

FOOTER

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body onload="getTime()" class="color-4">
    <section>
      <div class="time color-0" id="time">...</div>
    </section>
    <section>...</section>
    <footer class="wet-asphalt">FOOTER</footer>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
  </body>
</html>
```

html body.color-4 section div#time.time.color-0

Styles Event Listeners DOM Breakpoints Properties >>

Filter

```
element.style {
}
media="all"
@media (orientation: portrait)
section > div:first-of-type {
  height: 110px;
}
media="all"
.color-0 {
  background-color: #3499DB;
}
div {
  display: block;
}
Inherited from body.color-4
media="all"
body {
  font-family: 'Lato', sans-serif;
  margin: 0;
  color: white;
}
```

back. rgb color rgb disp. block font. Lato, heig. 110px width

localhost:63342/SPA-Dash: x Benjamin

localhost:63342/SPA-Dashboard/index.html

22:18:50 Wednesday, December 2015

Title 1 Lorem ipsum dolor sit amet, co... Title 2 sed do eiusmod tempor inci

8:00am Wake up, fall out of bed ... 9:00am Run the comb across your h

104 High 94 Low	Pollen3.5 Humidity90% Precip90% Wind0	9 ☀ 95 12 ☀ 100 3 ☁ 105 6 ☁ 105
--------------------------	--	--

45 Minutes to work

FOO 104 +5.5 more

FOOTER

Elements Console

<top frame> Preserve log

1 message is hidden by filters. Show all messages.

```

[Object]
  0: Object
    callback: function ()
    path: "home"
    __proto__: Object
  length: 1
  __proto__: Array[0]

```

localhost:63342/SPA-Dash: x Benjamin

localhost:63342/SPA-Dashboard/index.html

# 22:18:55

Wednesday, December 15

**Title 1**  
Lorem ipsum dolor sit amet, co...

**Title 2**  
sed do eiusmod tempor inci...

**8:00am**  
Wake up, fall out of bed ...

**9:00am**  
Run the comb across your h...

	104 High 94 Low	Pollen3.5 Humidity90% Precip90% Wind0	9 ☀ 95 12 ☀ 100 3 ☁ 105 6 ☁ 105
--	--------------------------	--	--

45

Minutes to work

104

+5.5

more

**FOOTER**

Elements Console

```

<!DOCTYPE html>
<html>
  <head>...</head>
  <body onload="getTime()" class="color-4">
    <section>
      <div class="time color-0" id="time">
        <h1 class="large">22:18:55</h1>
        <span class="dark">Wednesday,</span>
        <span class="dark">December</span>
        <span class="dark">2015</span>
      </div>
    </section>
    <footer class="wet-asphalt">FOOTER</footer>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
  </body>
</html>

```

html body.color-4 section div#time.time.color-0

Styles Event Listeners DOM Breakpoints Properties

Filter

```

element.style {
}
media="all" index.html style.css:18
@media (orientation: portrait)
section > div:first-of-type {
  height: 110px;
}
media="all" index.html style.css:12
.color-0 {
  background-color: #34990b;
}
div {
  display: block;
}
Inherited from body.color-4
media="all" index.html style.css:2
body {
  font-family: 'Lato', sans-serif;
  margin: 0;
  color: white;
}

```

Show

- back...
- rgb
- color
- rgb
- disa...
- block
- font...
- Lato,
- heig...
- 110px
- width

The image shows a web browser window with the address bar displaying `localhost:63342/SPA-Dashboard/index.html`. The page content is a solid blue rectangle. The developer console is open on the right, showing a list of messages and a detailed view of an XMLHttpRequest object. The XMLHttpRequest object has the following properties:

- `onabort`: null
- `onerror`: null
- `onload`: null
- `onloadend`: null
- `onloadstart`: null
- `onprogress`: null
- `onreadystatechange`: function ()
- `ontimeout`: null
- `readyState`: 4
- `response`: "`<main class='color-4'>`"
- `responseText`: "`<main class='color-`"
- `responseType`: ""
- `responseURL`: "http://localhost:63342/"
- `responseXML`: null
- `status`: 200
- `statusText`: "OK"
- `timeout`: 0
- `upload`: XMLHttpRequestUpload
- `withCredentials`: false
- `__proto__`: XMLHttpRequest

Below the XMLHttpRequest object, there is a red error message:

```
Uncaught TypeError: Cannot set property 'innerHTML' of null
```

The error message is highlighted in red. The console also shows a time entry for `index.html:15`.

localhost:63342/SPA-Dash x | html - Javascript: Uncaught x | Benjamin

localhost:63342/SPA-Dashboard/index.html

22:15:38 Thursday, December 2015

Title 1 Lorem ipsum dolor sit amet, co... Title 2 sed do eiusmod tempor incidid... Title 3 Ut enim ad r

8:00am Wake up, fall out of bed ... 9:00am Run the comb across your heac... 10:00am Find your w

104 High 94 Low Pollen3.5 Humidity90% Precip90% Wind0 9 95 12 100 3 105 6 105

45 Minutes to work

FOO 104 +5.5 more

FOOTER

Console 2

```
<top frame>
1 message is hidden by filters. Show all messages.
▶ [Object, Object, Object, Object, Object, Object] routing.js:59
home routing.js:15
weather routing.js:25
travel routing.js:33
news routing.js:41
stocks routing.js:49
tasks routing.js:57
▶ Uncaught TypeError: Cannot set property 'innerHTML' of null service.js:16
```

localhost:63342/SPA-Dash... Benjamin

localhost:63342/SPA-Dashboard/index.html#home

FOO

Title 1 Lorem ipsum dolor sit amet, co... Title 2 sed do eiusmod tempor incidid... Title 3 Ut enim ad r

8:00am Wake up, fall out of bed ... 9:00am Run the comb across your heac... 10:00am Find your w

	104 High 94 Low	Pollen3.5 Humidity90% Precip90% Wind0	9 ☀ 95 12 ☀ 100 3 ☁ 105 6 ☁ 105
--	--------------------------	--	--

45 Minutes to work

FOO 104 +5.5 more

FOOTER

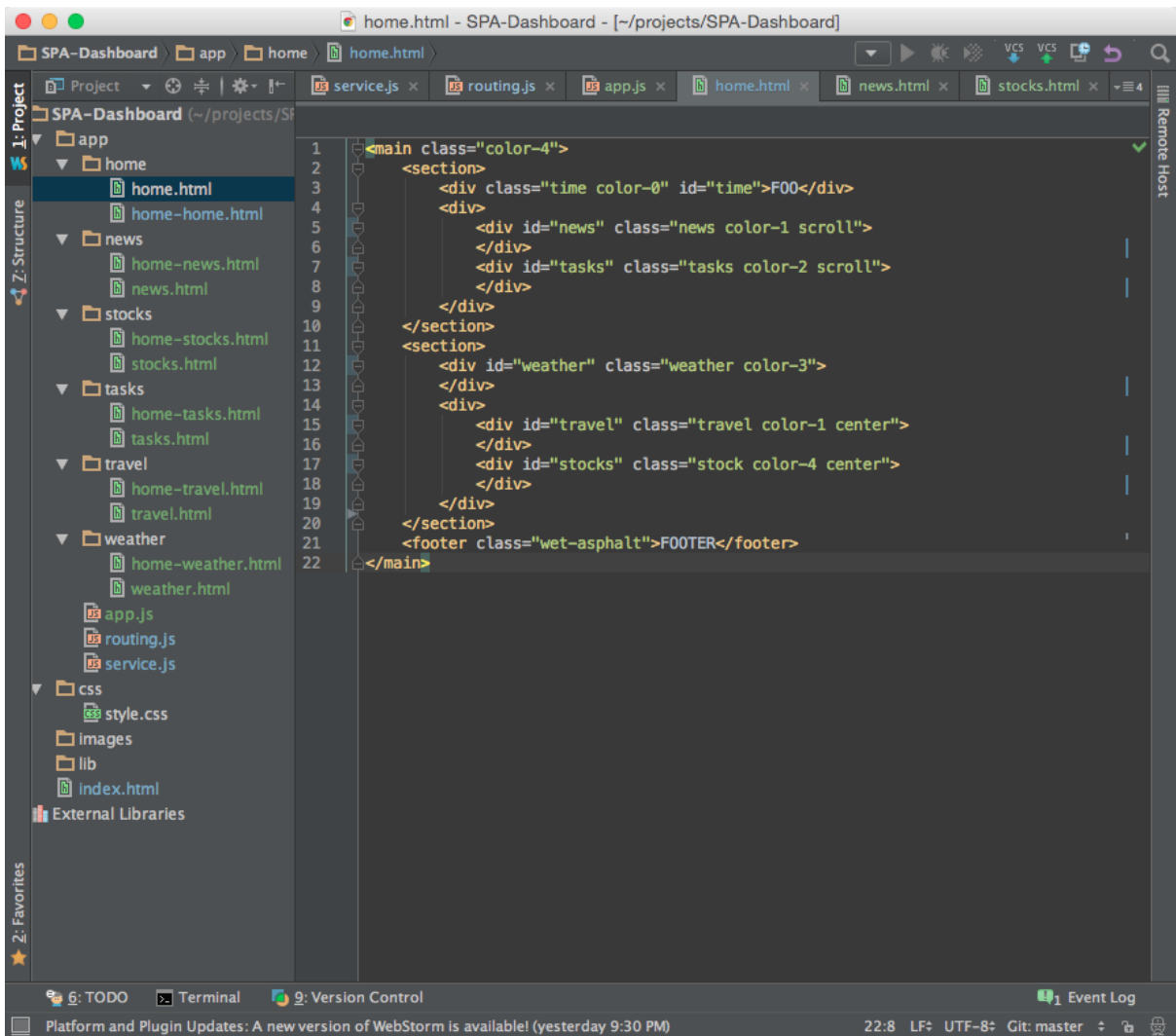
Console

1 message is hidden by filters. Show all messages.

```

routing.js:59
▶ {Object, Object, Object, Object, Object, Object}
home routing.js:15
weather routing.js:25
travel routing.js:33
news routing.js:41
stocks routing.js:49
tasks routing.js:57
home routing.js:15
service.js:25
Object {partial: "./app/home/home-home.html"}

```



The image shows a web browser window with the address bar displaying `localhost:63342/SPA-Dashboard/#home`. The browser's developer console is open, showing a log of messages. The page content consists of a blue header with the text "FOO" and a dark blue footer with the text "FOOTER". The main content area is filled with horizontal bars of varying shades of blue.

The console log shows the following messages:

```
1 message is hidden by filters. Show all messages.
routing.js:57
▶ [Object, Object, Object, Object, Object, Object]
home routing.js:15
weather routing.js:23
travel routing.js:31
news routing.js:39
stocks routing.js:47
tasks routing.js:55
home routing.js:15
service.js:25
Object {page: "./app/home/home.html", partial: "./app/home/home-home.html"}
home routing.js:15
service.js:25
Object {page: "./app/home/home.html", partial: "./app/home/home-home.html"}
```



The screenshot shows a web browser window with the address bar displaying `localhost:63342/SPA-Dashboard/#news`. The page content is a blue dashboard with four news items, each with a title and a paragraph of Lorem Ipsum text. The browser's developer console is open on the right side, showing a routing table and a log message.

**Browser Console Output:**

```
<top frame>
1 message is hidden by filters. Show all messages. routing.js:57
▶ [Object, Object, Object, Object, Object]
home routing.js:15
weather routing.js:23
travel routing.js:31
news routing.js:39
stocks routing.js:47
tasks routing.js:55
news routing.js:39
service.js:25
Object {page: "./app/news/news.html", partial: "./app/news/home-news.html"}
```

The screenshot shows a web browser at the URL `localhost:63342/SPA-Dashboard/#news`. The page has a blue background and contains four news items, each with a title and a paragraph of text. The developer tools are open, showing the HTML structure and the CSS styles for the body element.

The HTML structure is as follows:

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body class="color-0">
    <div id="content">...</div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/app.js"></script>
  </body>
</html>
```

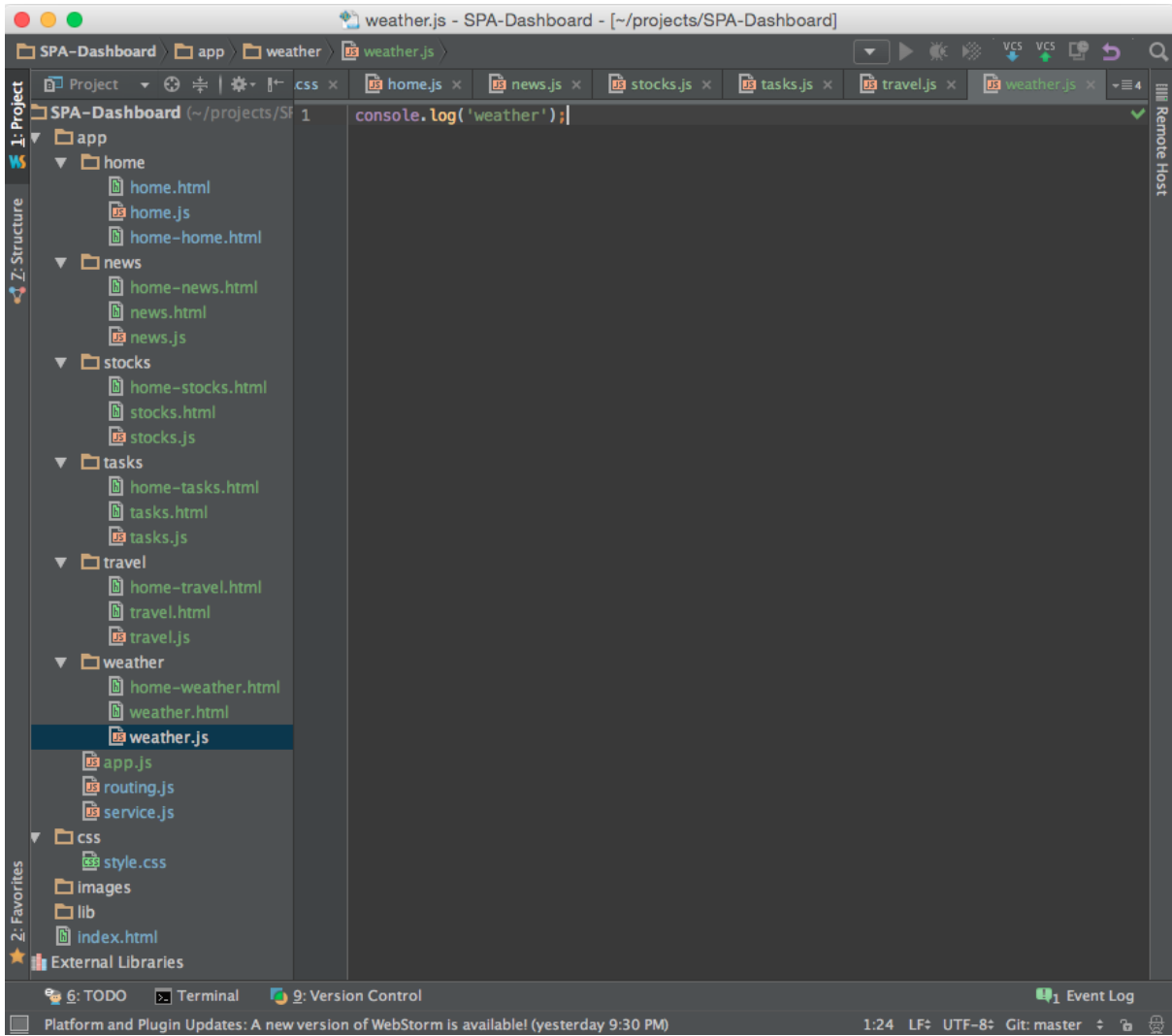
The CSS styles for the body element are:

```
body {
  font-family: 'Lato', sans-serif;
  margin: 0;
  color: white;
}

body {
  background-color: #3499DB;
}
```

The news items are:

- Title 1**  
Lorem ipsum dolor sit amet, consectetur adipiscing elit,
- Title 2**  
sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
- Title 3**  
Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip e
- Title 4**  
Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip e



localhost:63342/SPA-Dash x Benjamin

localhost:63342/SPA-Dashboard/#home

15:33:28 Sunday, December 2015

Title 1 Lorem ipsum dolor sit amet, co... Title 2 sed do eiusmod tempor incidid... Title 3 Ut enim ad r

8:00am Wake up, fall out of bed ... 9:00am Run the comb across your heac... 10:00am Find your w

104 High 94 Low Pollen3.5 Humidity90% Precip90% Wind0 9 95 12 100 3 105 6 105

45 Minutes to work

FOO 104 +5.5 more

FOOTER

```

Console
1
<top frame>
1 message is hidden by filters. Show all messages.
routing.js:51
▶ [Object, Object, Object, Object, Object, Object]
home routing.js:9
home VM5185:1
home routing.js:9
weather routing.js:17
travel routing.js:25
news routing.js:33
stocks routing.js:41
tasks routing.js:49

```

localhost:63342/SPA-Dash x Benjamin

localhost:63342/SPA-Dashboard/#home

16:24:10 Sunday, December 2015

Title 1 Lorem ipsum dolor sit amet, co... Title 2 sed do eiusmod tempor incidid... Title 3 Ut enim ad

8:00am Wake up, fall out of bed ... 9:00am Run the comb across your heac... 10:00am Find your w

104 High 94 Low Pollen3.5 Humidity90% Precip90% Wind0 9 95 12 100 3 105 6 105

45 Minutes to work

FOO 104 +5.5 more

FOOTER

Console 1

```
<top frame>
1 message is hidden by filters. Show all messages.
routing.js:51
[Object, Object, Object, Object]
home VM7110:1
```

The screenshot shows a web browser window with the address bar at `localhost:63342/SPA-Dashboard/#news`. The page content is a blue dashboard with a white back arrow in the top left corner. It features a list of news items, each with a small icon, a title, and a truncated text snippet. The news items are:

- Behind the Black Flag: The Recruitment of an ISIS Killer**  
Since the Syrian rebel leader Hassan Aoud joined ISIS, taking with him fighters and
- Commander of Hezbollah Freed by Israel Is Killed in Syria**  
The killing of Samir Kuntar, in a government-held neighborhood of Damascus, unde
- French Ship Commands Naval Task Force in Strikes Against ISIS**  
The Nov. 13 terrorist attacks in Paris cast a spotlight on the carrier, which left its hc
- Governing Party Loses Majority in Spanish Parliamentary Vote**  
The conservative Popular Party and the main opposition Socialists both lost seats, g

On the right side of the browser, the developer console is open, showing a list of messages and a red error message:

```
1 message is hidden by filters. Show all messages.
home VM9790:1
news routing.js:33
weather VM9792:1
travel VM9793:1
foo VM9794:3
stocks VM9795:1
tasks VM9796:1
news routing.js:33
foo VM9797:3
Uncaught TypeError: VM9790:15
Cannot set property 'innerHTML'
of null
```

localhost:63342/SPA-Dash: X Benjamin

localhost:63342/SPA-Dashboard/#home

23:48:19 Sunday, December 2015

Behind the Black Flag: The Re Since the Syrian rebel leader H... Commander of Hezbollah Fre The killing of Samir Kuntar, In s... French St The Nov. 13

8:00am Wake up, fall out of bed ... 9:00am Run the comb across your heac... 10:00am Find your v...

104 High 94 Low Pollen3.5 Humidity90% Precip90% Wind0 9 95 12 100 3 105 6 105

45 Minutes to work

104 +5.5 more

FOOTER

```

<!DOCTYPE html>
<html>
  <head>_</head>
  <body class="color-0">
    <div id="content">_</div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/app.js"></script>
  </body>
</html>

```

html body.color-0

Styles Event Listeners >>

Filter + -

```

element.style {
}
media="all" (index)
.color-0 { style.css:16
  background-color: #3499DB; 651 x 71
}
media="all" (index)
body { style.css:2
  font-family: 'Lato', sans-
  serif;
  margin: 0;
  color: white;
}
body { user agent stylesheet
  display: block;
  margin: 0px;
}

```

back...  
 color  
 disp...  
 font...  
 Lato,  
 heig...  
 710px  
 marg...

localhost:63342/webtrends x Benjamin

localhost:63342/webtrends-SPA/index.html#home

14:55:30 Monday, December 15

Behind the Black Flag: The Rebel Leader... Since the Syrian rebel leader H...

Iran Says New U.S. Visa Rule | A restriction on visa-free travel...

Oil Prices | A glut of oil...

8:00 wake up, fall out of bed ... 9:00 wake up, fall out of bed ... 10:00 Run the...

77 High 73 Low Pressure 1013 Humidity 83% Precip 0.11 Wind 3.1 Mon 76 Tue 75 Wed 78 Thu 81

33:0 Minutes to work

YHOO 32.85 -0.11 more

FOOTER

Console

```

1 message is hidden by filters. Show all messages.
home routing.is:10
home routing.is:10
weather routing.is:18
travel routing.is:26
news routing.is:34
stocks routing.is:42
tasks routing.is:50
Object {query: Object} VM299:14

```



# Chapter 5: The Death Star Chapter

The screenshot shows an IDE window titled "routing.js - DeathStarChapter - [~/Documents/projects/DeathStarChapter]". The interface includes a Project Explorer on the left, a code editor in the center, and a status bar at the bottom.

**Project Explorer:** Shows the project structure for "DeathStarChapter" located at "~/Documents/p". The "app" directory contains sub-directories "credits", "home", and "leaderboard".

- credits:** credits.html, credits.js, credits.json, home-credits.html
- home:** (empty)
- leaderboard:** home-leaderboard.html, leaderboard.html, leaderboard.js, leaderboard.json

Other files in the "app" directory include app.js, routing.js, and service.js. There are also "css" and "lib" folders, and an "index.html" file in the "lib" folder. "External Libraries" are also listed.

**Code Editor:** Displays the content of routing.js with the following code:

```
1 //var pageRoute
2 var routing = {};
3 routing.routesArray = [];
4
5 services.routing.register('home',function(){
6   pageRoute = {
7     page:"./app/home/home.html",
8     partial:"./app/home/home-home.html",
9     script:"./app/home/home.js"
10  };
11  console.log('home')
12 });
13 services.routing.register('credits',function(){
14   pageRoute = {
15     page:"./app/credits/credits.html",
16     partial:"./app/credits/home-credits.html",
17     script:"./app/credits/credits.js",
18     data:"./app/credits/credits.json"
19  };
20  console.log('credits')
21 });
22 services.routing.register('leaderboard',function(){
23   pageRoute = {
24     page:"./app/leaderboard/leaderboard.html",
25     partial:"./app/leaderboard/home-leaderboard.html",
26     script:"./app/leaderboard/leaderboard.js",
27     data:"./app/leaderboard/leaderboard.json"
28  };
29  console.log('leaderboard')
30 });
31
32
33
34 window.onhashchange = services.routing.getLocationHash;
35 window.onload = services.routing.getLocationHash;
```

**Status Bar:** Shows "6: TODO", "Terminal", "Version Control", and "Event Log". A message at the bottom indicates "Push successful: Pushed 1 commit to origin/master (yesterday 6:27 AM)". The status bar also shows "32:1", "LF+", "UTF-8", and "Git: master".

localhost:63342/DeathStarChapter/index.html#home

6:37:25 Tuesday, February 2016

FOOTER

Elements Console

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <div id="content">
      <main>
        <section>...</section>
        <section>...</section>
        <footer class="wet-asphalt">FOOTER</footer>
      </main>
    </div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/app.js"></script>
  </body>
</html>
```

html body div#content main

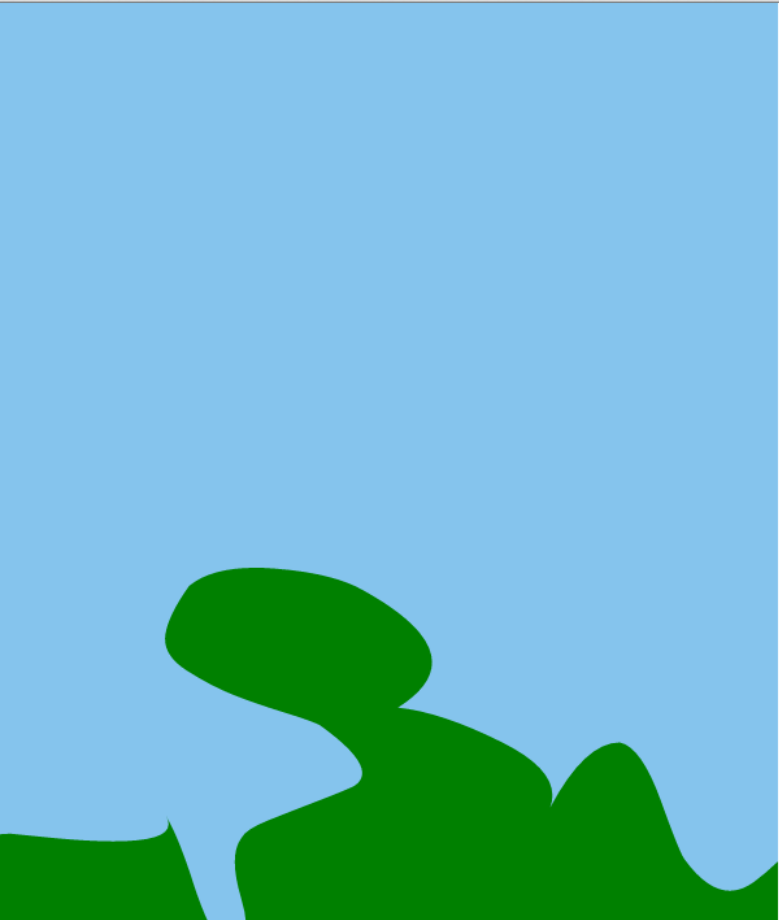
Styles Event Listeners DOM Breakpoints

Ancestors  Framework listeners

- ▶ DOMContentLoaded
- ▶ HAJ14556262312532948285306338221WS
- ▶ beforeunload
- ▶ hashchange
- ▶ load
- ▶ unload

localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#level1



```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body>
    <div id="content">
      <link type="text/css" rel="stylesheet" href="css/level-1.css" media="all">
      <link type="text/css" rel="stylesheet" href="css/levels.css" media="all">
      <main class="container black">
        <section id="space">...</section>
        <section id="stratosphere" class="wet-asphalt curve2">...</section>
        <section id="sky" class="color-1">...</section>
        <section id="objects">...</section>
        <section id="terra">...</section>
      </main>
    </div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/app.js"></script>
  </body>
</html>
```

... section#objects div#earth i


Styles Event Listeners DOM Breakpoints >>

Ancestors  Framework listeners

- ▶ DOMContentLoaded
- ▶ HAJ1455846879244036053207237273455WS
- ▶ beforeunload
- ▶ hashchange
- ▶ load
- ▶ unload

localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#level1



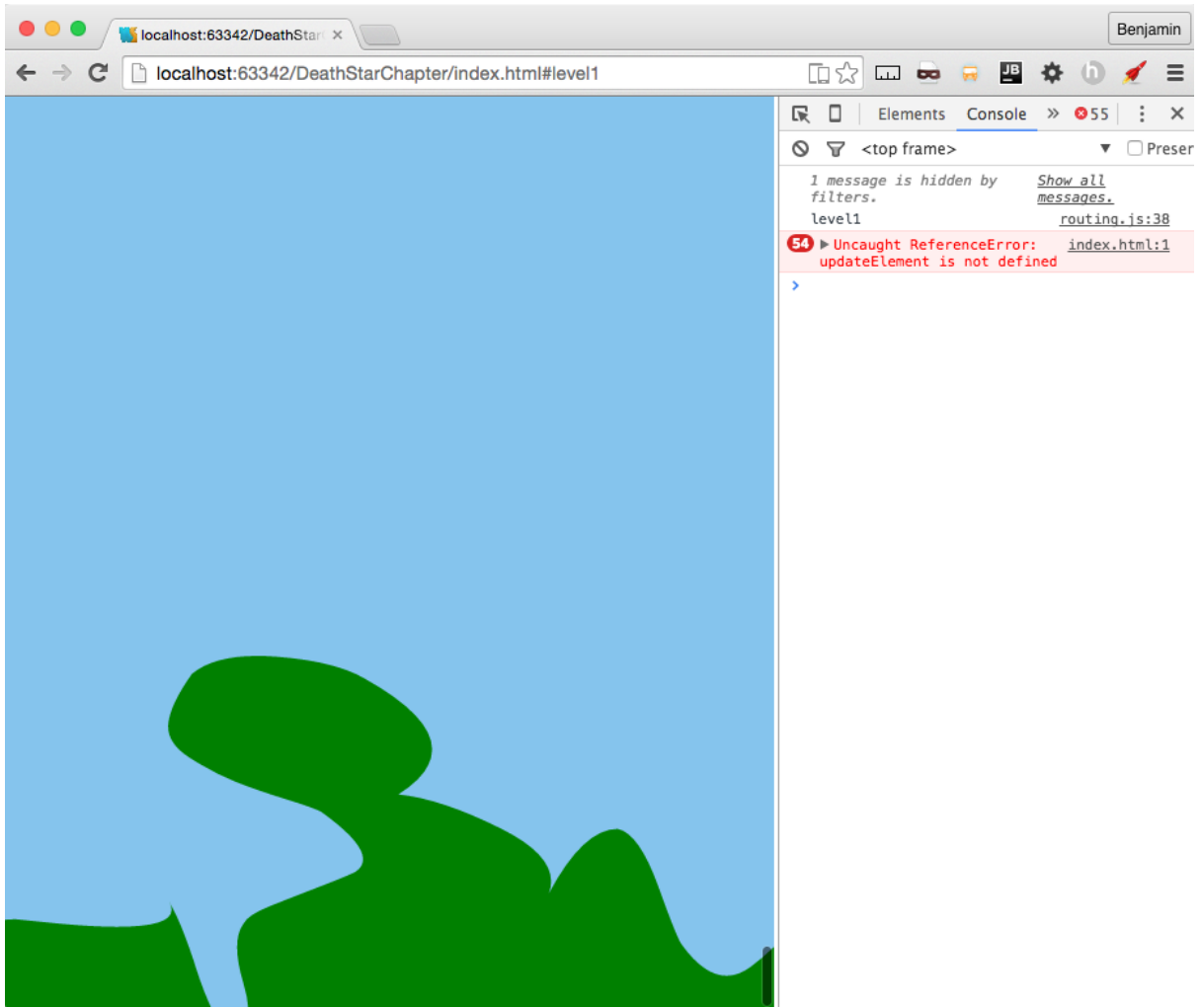
```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body onscroll="updateElement()">
    <div id="content">...</div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/levels.js"></script>
  </body>
</html>
```

html body script

Styles Event Listeners DOM Breakpoints >>

Ancestors  Framework listeners

- ▶ DOMContentLoaded
- ▶ HAJ14561953122187716564410366118WS
- ▶ beforeunload
- ▶ hashchange
- ▶ load
- ▶ scroll
- ▶ unload



localhost:63342/DeathStarChapter/index.html#level1

Benjamin

localhost:63342/DeathStarChapter/index.html#level1

<top frame>

1 message is hidden by filters. [Show all messages.](#)

level1 [routing.is:38](#)

- ▶ Uncaught [service.js:9](#)  
TypeError: callBack is not a function
- 55 ▶ Uncaught [VM7655:48](#)  
TypeError: Cannot read property 'style' of null

localhost:63342/DeathStarChapter/index.html#level1

Benjamin

56

<top frame>

1 message is hidden by filters. [Show all messages.](#)

level1 routing.is:38 VM7862:20

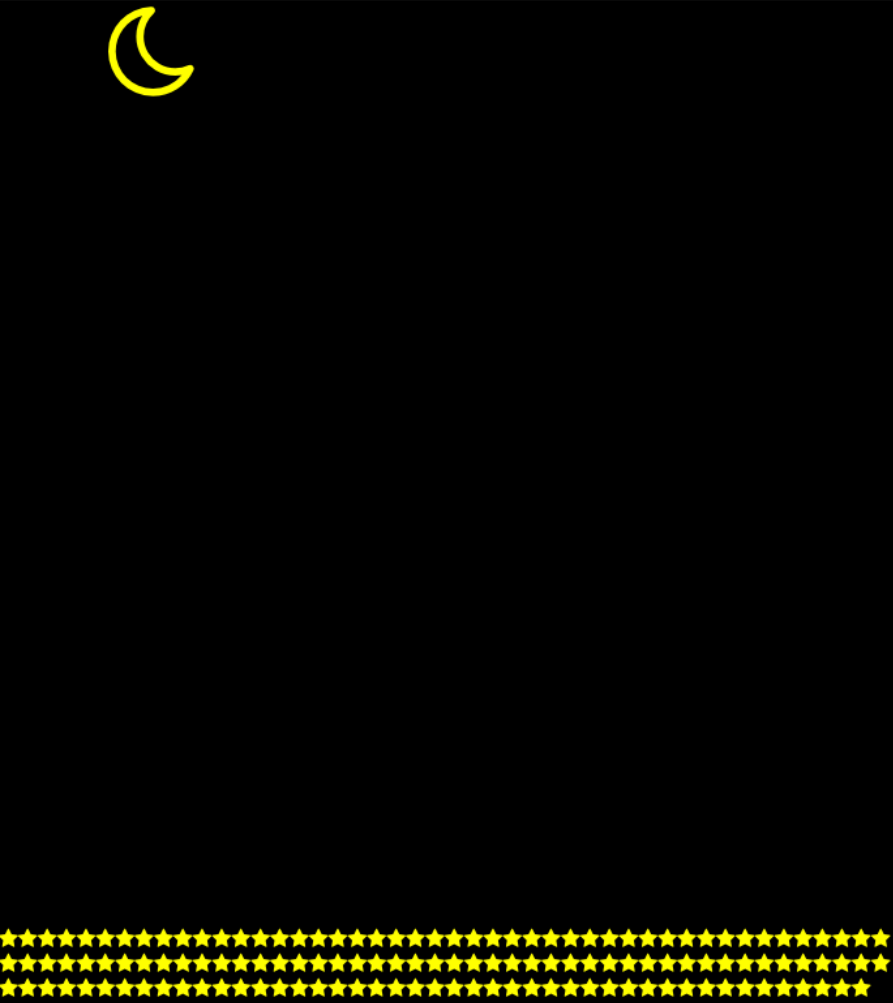
```
▼ Object {objectgroups: Object}
Object
  objectgroups: Object
    clouds: Object
    messages: Object
    moon: Object
    objects: Object
    stars: Object
    terra: Object
    __proto__: Object
  __proto__: Object
```

55 ▶ Uncaught TypeError: Cannot read property 'style' of null VM7862:51

> |

localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#level1



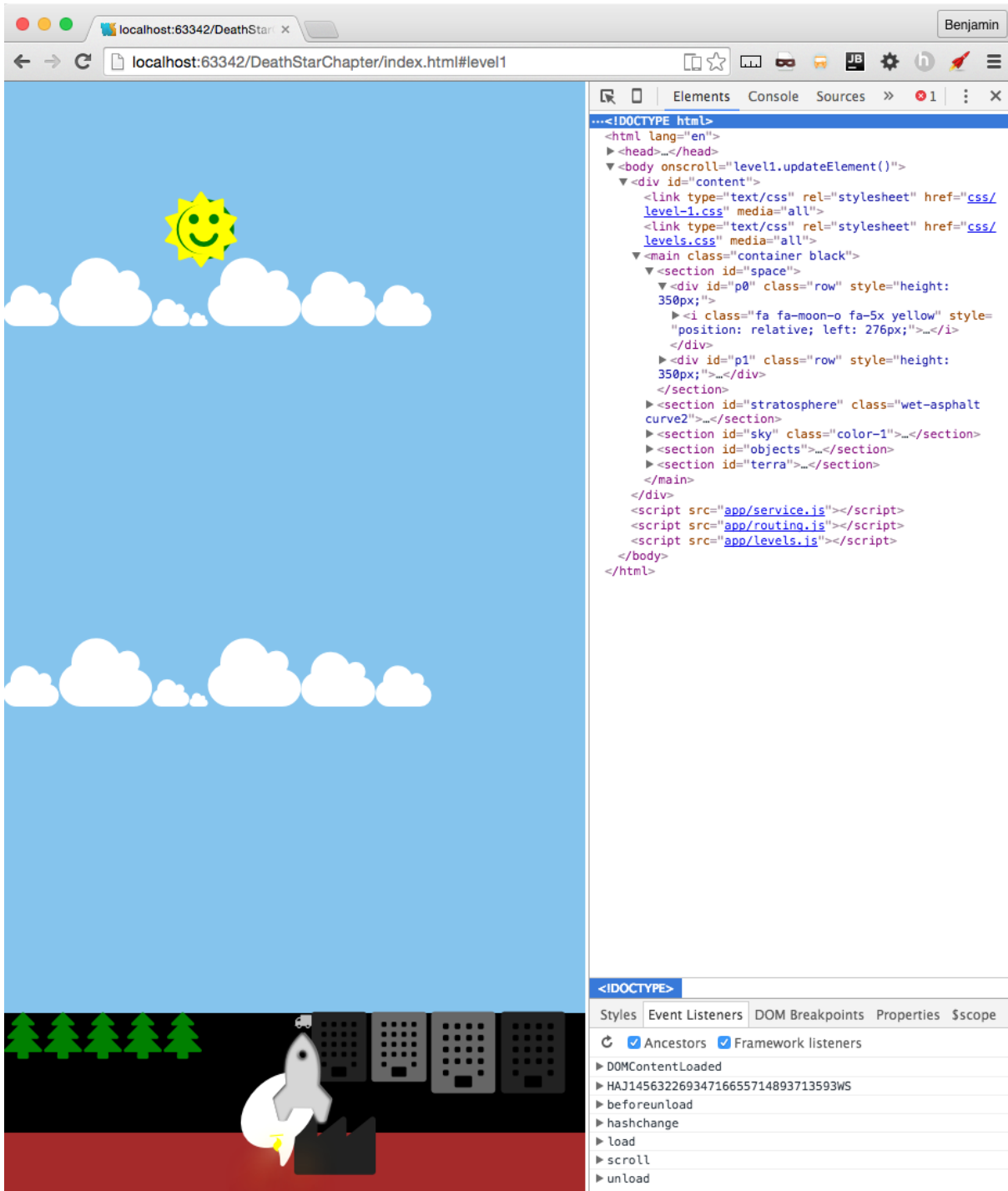
```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body onscroll="level1.updateElement()">
    <div id="content">
      <link type="text/css" rel="stylesheet" href="css/level-1.css" media="all">
      <link type="text/css" rel="stylesheet" href="css/levels.css" media="all">
    </div>
    <main class="container black">
      <section id="space">
        <div id="p0" class="row" style="height: 709px;">
          <i class="fa fa-moon-o fa-5x yellow" style="position: relative; left: 84px;"></i>
        </div>
        <div id="p1" class="row" style="height: 709px;">...</div>
      </section>
      <section id="stratosphere" class="wet-asphalt curve2">...</section>
      <section id="sky" class="color-1">...</section>
      <section id="objects"></section>
      <section id="terra"></section>
    </main>
  </div>
  <script src="app/service.js"></script>
  <script src="app/... main #space div#p0.row

Styles | Event Listeners | >>
  <input checked="" type="checkbox"/> Ancestors <input checked="" type="checkbox"/> Framework listen
  > DOMContentLoaded
  > HAJ14562390219339748948253691196...
  > beforeunload
  > hashchange
  > load
  > scroll
  > unload
```



localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#level1



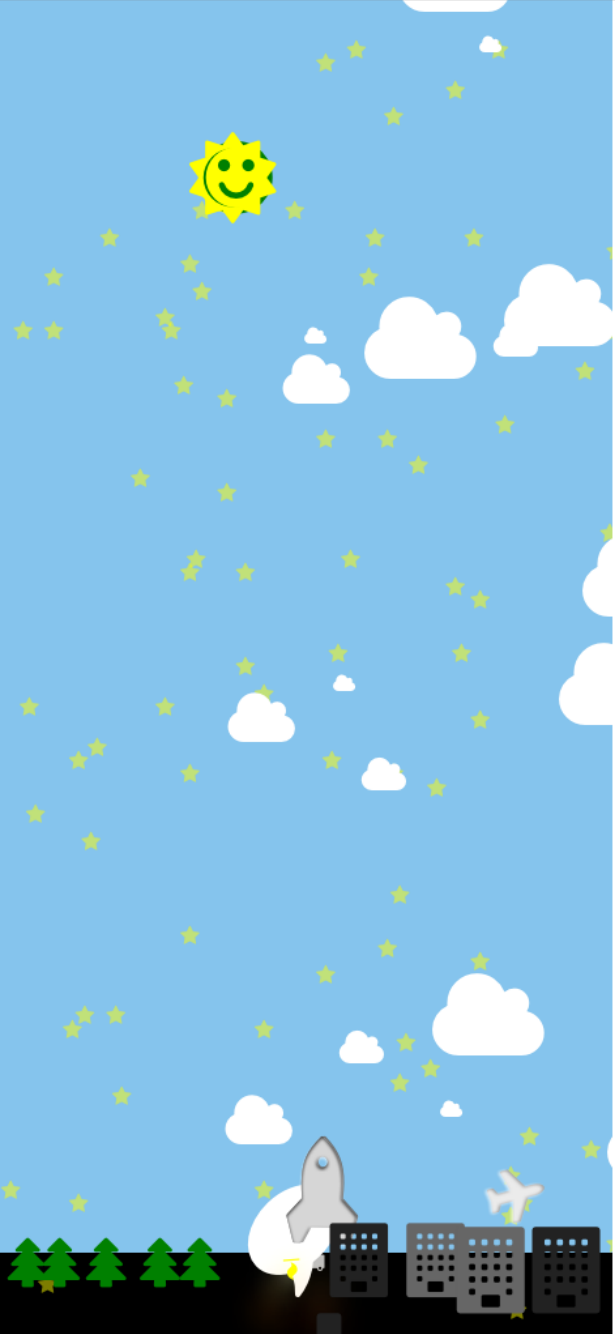
```
...<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body onscroll="level1.updateElement()">
    <div id="content">
      <link type="text/css" rel="stylesheet" href="css/level-1.css" media="all">
      <link type="text/css" rel="stylesheet" href="css/levels.css" media="all">
      <main class="container black">
        <section id="space">
          <div id="p0" class="row" style="height: 350px;">
            <i class="fa fa-moon-o fa-5x yellow" style="position: relative; left: 276px;">
          </div>
          <div id="p1" class="row" style="height: 350px;">
          </div>
        </section>
        <section id="stratosphere" class="wet-asphalt curve2">...</section>
        <section id="sky" class="color-1">...</section>
        <section id="objects">...</section>
        <section id="terra">...</section>
      </main>
    </div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/levels.js"></script>
  </body>
</html>
```

<!DOCTYPE>

Styles	Event Listeners	DOM Breakpoints	Properties	\$scope
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Ancestors Framework listeners				
▶ DOMContentLoaded				
▶ HAJ14563226934716655714893713593WS				
▶ beforeunload				
▶ hashchange				
▶ load				
▶ scroll				
▶ unload				

localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#level1



```
9
10
11 levels.spreadObjects = function(x,vm,hm,va,ha,p,e){
12   for (var i=0;i<x.length;i++){
13     x[i].style.position = p;
14     x[i].style.top = Math.floor((Math.random()*vm)+va)+e;
15     x[i].style.left = Math.floor((Math.random()*hm)+ha)+e;
16   }
17 };
```

Line 11, Column 1

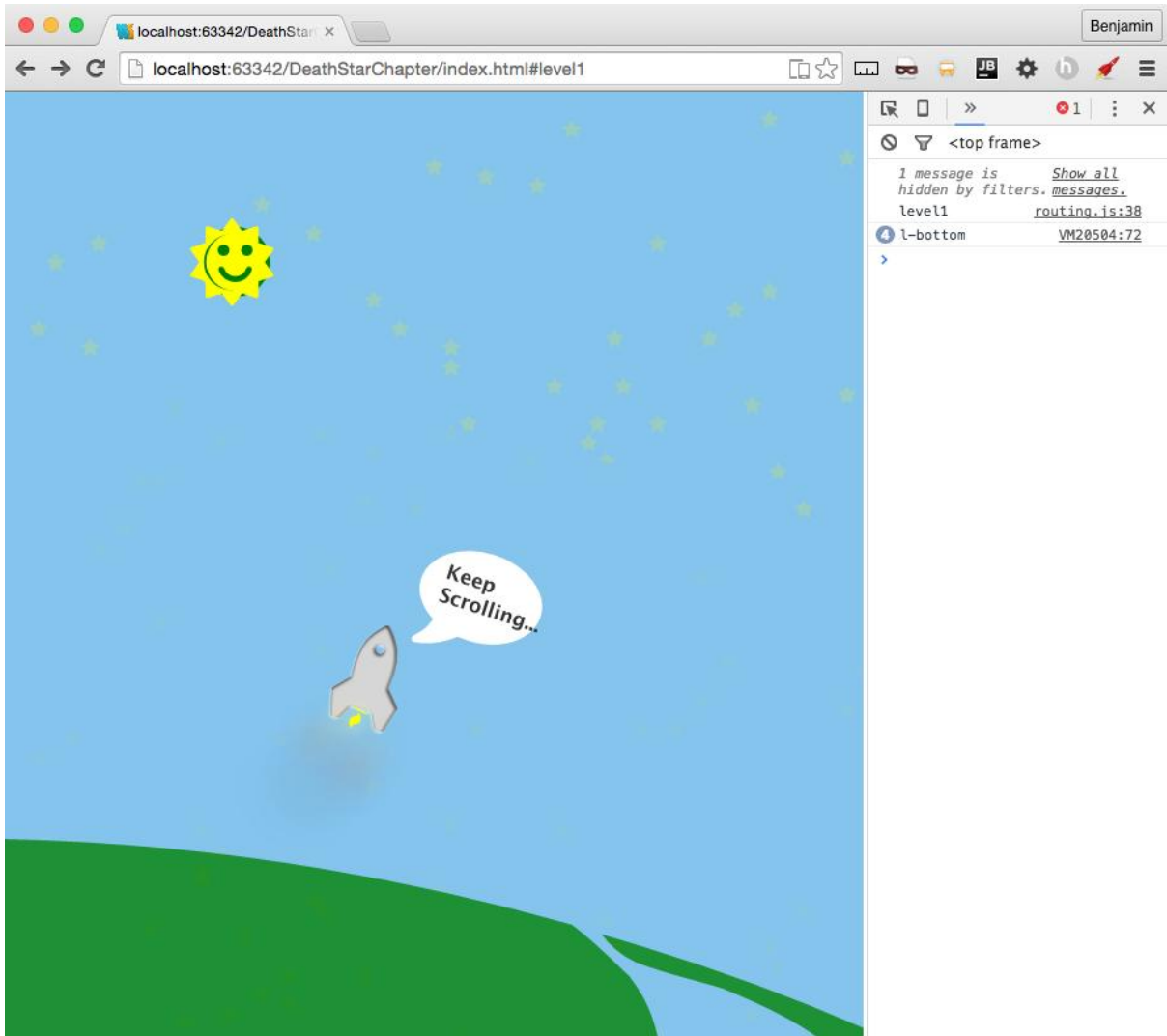
	Scope	Watch
Call Stack	Not Paused	
Breakpoints	No Breakpoints	
DOM Breakpoints		
XHR Breakpoints	+	
Event Listener Breakpoints		
Event Listeners	↻	

localhost:63342/DeathStarChapter/index.html#level1



Keep Scrolling...

```
<top frame>
1 message is hidden by filters. Show all messages.
level1 routing.is:38
6 l-bottom VM19674:72
2 l-top VM19674:68
home routing.is:11
home routing.is:11
credits routing.is:20
leaderboard routing.is:29
level1 routing.is:38
x Uncaught VM19679:20
TypeError: Cannot set
property 'innerHTML' of null
2 Uncaught VM19677:20
TypeError: Cannot set
property 'innerHTML' of null
3 Uncaught levels.is:79
TypeError: Cannot read
property
'getElementsByClassName' of
null
level1 routing.is:38
x Uncaught VM19676:14
TypeError: Cannot set
property 'innerHTML' of null
5 l-bottom VM19680:72
>
```



localhost:63342/DeathStarChapter/index.html#level1

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body onscroll="level1.updateElement()">
    <div id="content">...</div>
    <div id="curtain" class="fade">...</div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/levels.js"></script>
  </body>
</html>
```

html body **div#content**

Styles Event Listeners DOM Breakpoints Properties \$scope

Filter

```
element.style {
}
div {
  display: block;
}
Inherited from body
media="all"
body, a {
  font-family: 'Lato', sans-serif;
  color: white;
}
```

index.html style.css:5

Filter  Show all

- color  rgb(255, 255, ...)
- display block
- font-family Lato, sans-serif
- height 10796px
- width 433px

The screenshot shows a web browser window with the following elements:

- Page Header:** A blue bar containing the time **14:57:43** and the date **Saturday, February 2016**.
- Page Content:** A series of horizontal bars in shades of blue and light blue.
- Page Footer:** A dark blue bar with the text **FOOTER**.
- Browser Console:** Opened on the right side, showing the following content:
  - Navigation log:
    - home routing.js:11
    - home routing.js:11
    - credits routing.js:20
    - leaderboard routing.js:29
    - level1 routing.js:38
  - Two error messages:
    - Uncaught TypeError: Cannot set property 'innerHTML' of null** (VM29532:20)
    - Uncaught TypeError: Cannot set property 'innerHTML' of null** (VM29530:20)

localhost:63342/DeathStarChapter/index.html#home

12:38:13 Sunday, February 2016

Level 1

BSL: 100  
AK: 999  
SOS: 500  
BSL: 100

LeaderBoard

Ben LaGrone: Author  
Anel LaGrone: Wife  
Daphne LaGrone: Daughter  
Darby LaGrone: Daughter

Credits

FOOTER  
localhost:63342/DeathStarChapter/index.html#level1

```

<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body onscroll="level1.updateElement()">
    <div id="content">
      <link type="text/css" rel="stylesheet" href="css/home.css" media="all">
      <main class="home">...</main>
    </div>
    <div id="curtain" class="fade">...</div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/levels.js"></script>
  </body>
</html>

```

Styles Event Listeners >>

element.style { margin - border - padding - 601 x 646 }

div { display: block; }

Inherited from ...

index.html media="all" style.css:5

body, a { font-family: 'Lato', sans-serif; color: }

Filter  Show all

color  rgb(255, 255, 255)

display block

localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#level2

# loading...

```
level2.updateElement()>
<div id="content">
  <link type="text/css" rel="stylesheet" href="css/levels.css" media="all">
  <link type="text/css" rel="stylesheet" href="css/level-2.css" media="all">
  <main id="body" class="container black">
    <section id="boss">
      <div class="row" style="height: 642px;">
        <div id="deathstarObject">
          ...
        </div>
      </div>
      <div class="row" style="height: 642px;">
        <div class="row" style="height: 642px;">
          ...
        </div>
      </div>
    </section>
  </main>
</div>
```

html body div#curtain

Styles Event Listeners >>

Filter +

```
element.style {
}

index.html
media="all"
style.css:32
#curtain {
  position: fixed;
  left: 0;
  top: 0;
  background-color: #111;
  width: 100%;
  height: 100%;
  opacity: 1;
  z-index: 999;
}
```

padding: 601 x 642

border


Filter  Show all

- background-atta...
- scroll
- background-clip
- border-box



localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#level2



```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body onscroll="level2.updateElement()">
    <div id="content">...</div>
    <div id="curtain" class="fade">...</div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/levels.js"></script>
  </body>
</html>
```

html body

Styles Event Listeners >>

Filter +, -

element.style {

- margin -
- border -
- padding -
- width 600 x 15575

media="all" style.css:5

body, a {

- font-family: 'Lato', sans-serif;
- color: white;

}>

media="all" index.html style.css:1

- background-color: rgb(52, 152, 205);
- color: rgb(255, 255, 255);

localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#home

6:44:13 Monday, February 2016

> Level 1

> Level 2

> LeaderBoard

BSL: 100  
AK: 999  
SOS: 500  
BSL: 100

> Credits

Ben LaGrone: Author  
Anel LaGrone: Wife  
Daphne LaGrone: Daughter  
Darby LaGrone: Daughter

FOOTER

```

<!DOCTYPE html>
<html lang="en">
<head>...</head>
<body>
  <div id="content">...</div>
  <div id="curtain" class="fade">...</div>
  <script src="app/service.js"></script>
  <script src="app/routing.js"></script>
  <script src="app/levels.js"></script>
</body>
</html>

```

html body

Styles Event Listeners >>

Filter +, -

element.style {

padding -

border -

padding: 600 x 550

index.html

media="all"

level-1.css:1

body {

padding: 0;

margin: 0;

}

index.html

media="all"

style.css:5

body, a {

font-family: 'Lato', sans-serif;

background-color: rgb(52, 152, 255);

color: rgb(255, 255, 255);

localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#home

6:45:20 Monday, February 2016

> Level 1 > Level 2

> LeaderBoard

BSL: 100  
AK: 999  
SOS: 500  
BSL: 100

> Credits

Ben LaGrone: Author  
Anel LaGrone: Wife  
Daphne LaGrone: Daughter  
Darby LaGrone: Daughter

FOOTER

```

<!DOCTYPE html>
<html lang="en">
<head>...</head>
<body>
  <div id="content">...</div>
  <div id="curtain" class="fade">...</div>
  <script src="app/service.js"></script>
  <script src="app/routing.js"></script>
  <script src="app/levels.js"></script>
</body>
</html>

```

html body

Styles Event Listeners >>

Filter +, -

element.style {

padding -

border -

padding: 847 x 377

index.html

media="all"

level-1.css:1

body {

padding: 0;

margin: 0;

}

index.html

media="all"

style.css:5

body, a {

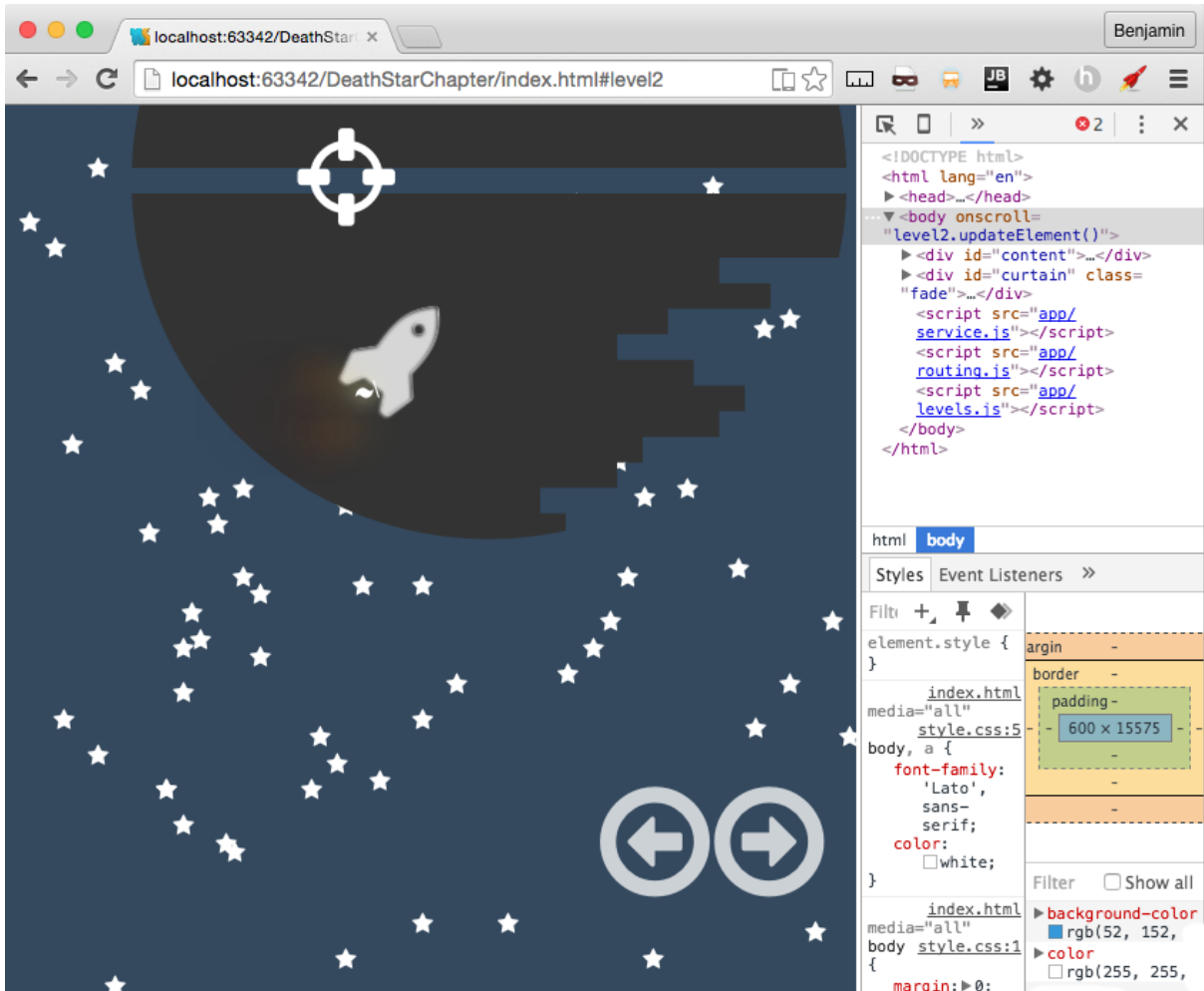
font-family: 'Lato', sans-serif;

background-color: rgb(52, 152, 255);

color: rgb(255, 255, 255);

localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#level2



The screenshot shows a web browser window with a game interface. The game area features a dark blue space background with white stars, a large grey Death Star in the upper right, and a white rocket ship in the center. A white crosshair is positioned at the top center, and two circular arrow buttons (left and right) are at the bottom right. The browser's developer tools are open on the right side, displaying the HTML structure and CSS styles for the page.

```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body onscroll="level2.updateElement()">
    <div id="content">...</div>
    <div id="curtain" class="fade">...</div>
    <script src="app/service.js"></script>
    <script src="app/routing.js"></script>
    <script src="app/levels.js"></script>
  </body>
</html>
```

html body

Styles Event Listeners >>

Filter +, -

element.style {

- margin -
- border -
- padding -
- 600 x 15575

index.html style.css:5


```
body, a {
  font-family: 'Lato', sans-serif;
  color: white;
}
```

index.html

```
body style.css:1 {
  margin: 0;
  background-color: rgb(52, 152, 255);
  color: rgb(255, 255, 255);
}
```

localhost:63342/DeathStar x Benjamin

localhost:63342/DeathStarChapter/index.html#level2



```
<!DOCTYPE html>
<html lang="en">
  <head>...</head>
  <body onscroll=
    "level2.updateElement()">
    <div id="content">...</div>
    <div id="curtain" class=
      "fade">...</div>
    <script src="app/
      service.js"></script>
    <script src="app/
      routing.js"></script>
    <script src="app/
      levels.js"></script>
  </body>
</html>
```

html body

Styles Event Listeners >>

Filter +, -

element.style {

- margin -
- border -
- padding -
- 600 x 15575

index.html style.css:5

```
body, a {
  font-family:
    'Lato',
    sans-
    serif;
  color:
    white;
}
```

index.html

- background-color rgb(52, 152,
- color rgb(255, 255,

