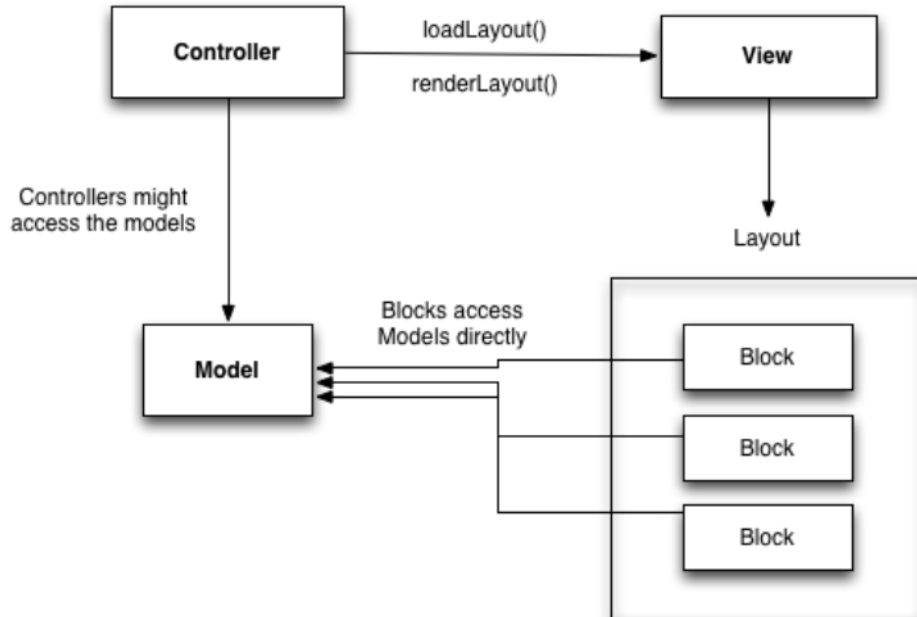
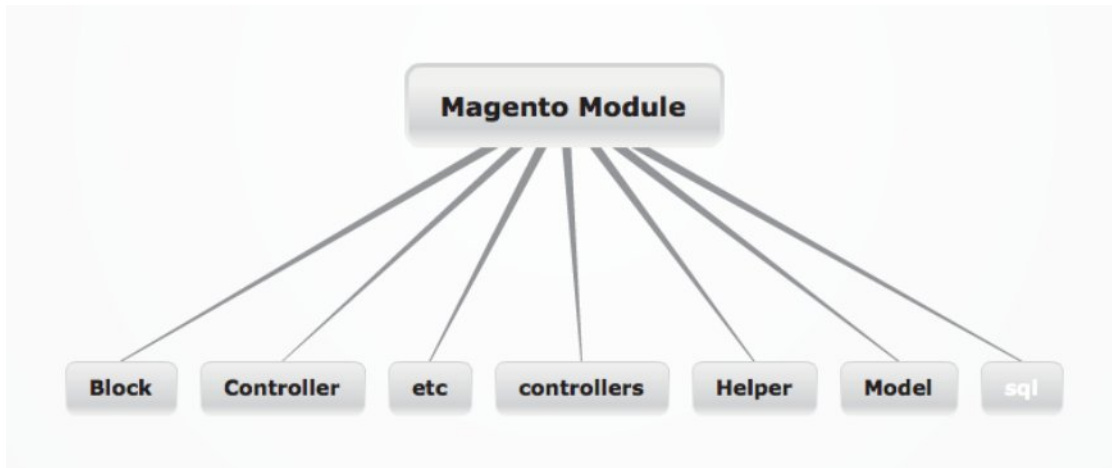
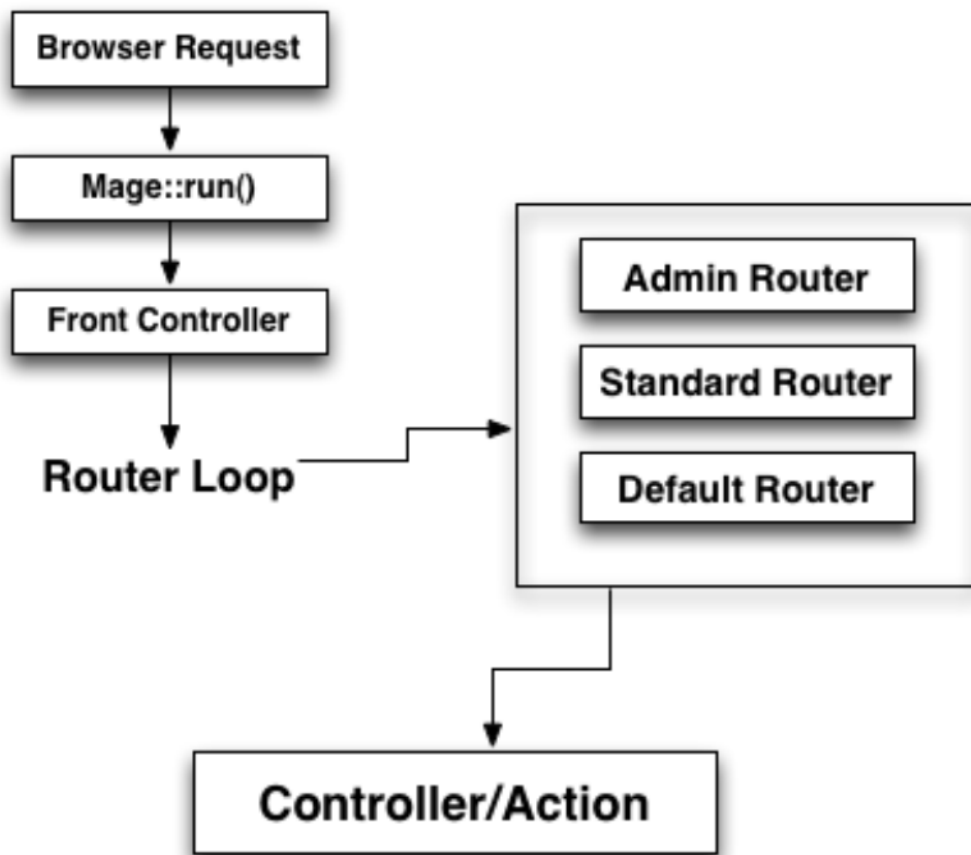
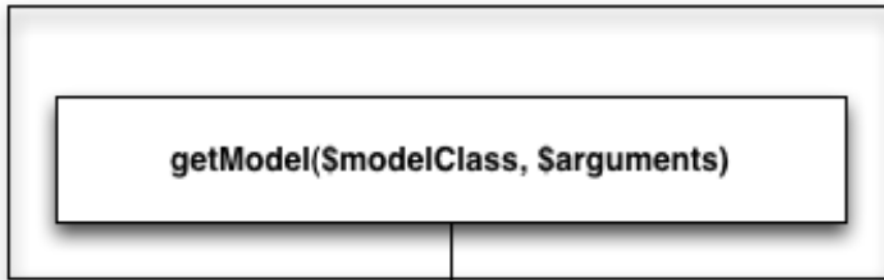


1 - Magento Fundamentals for Developers

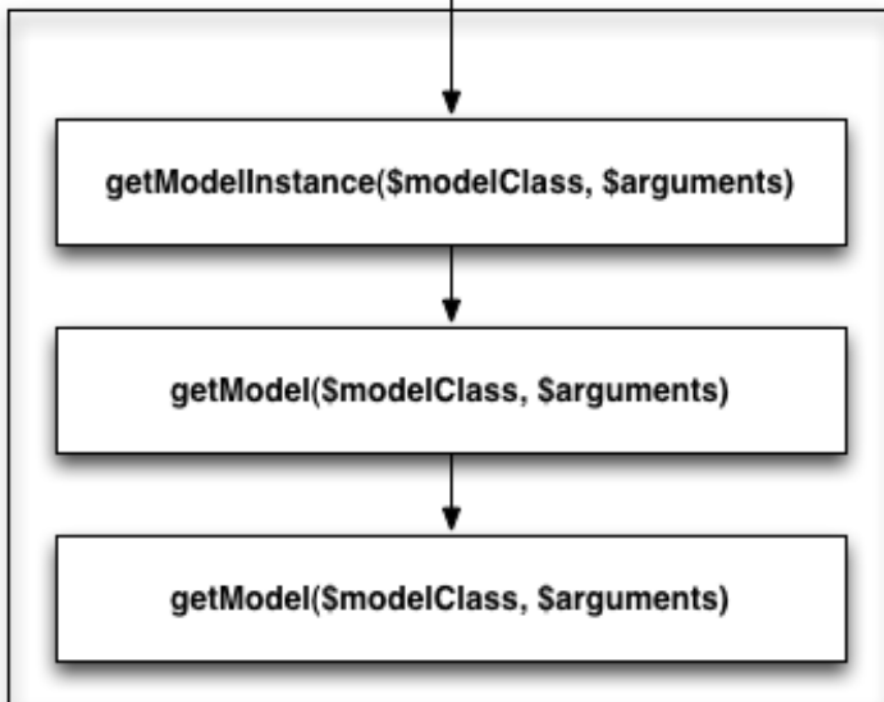




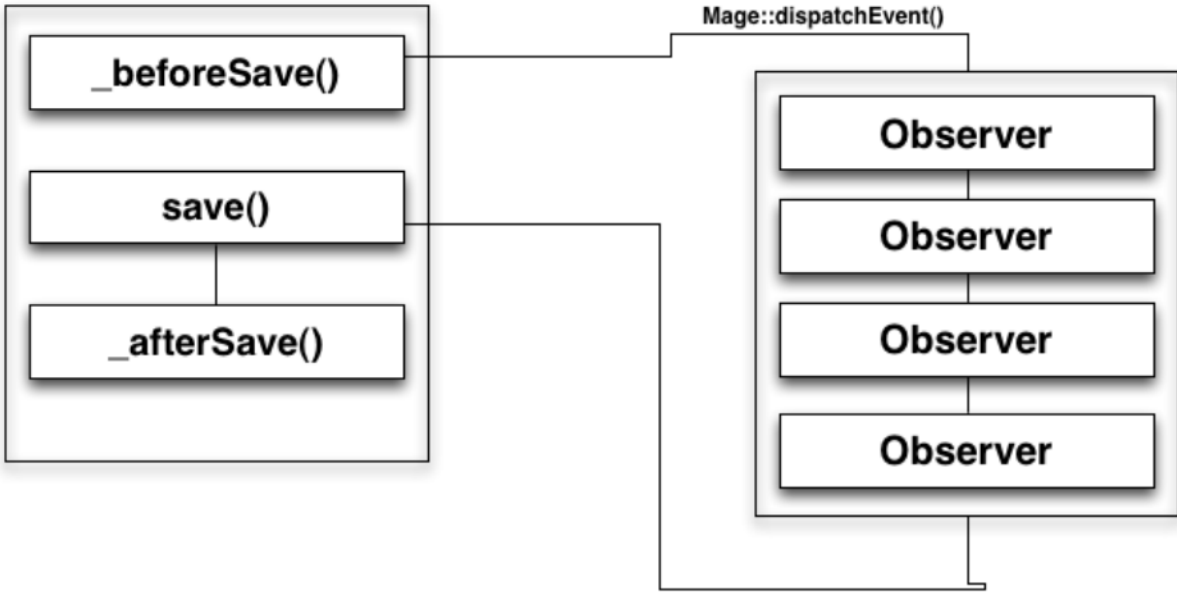
Mage



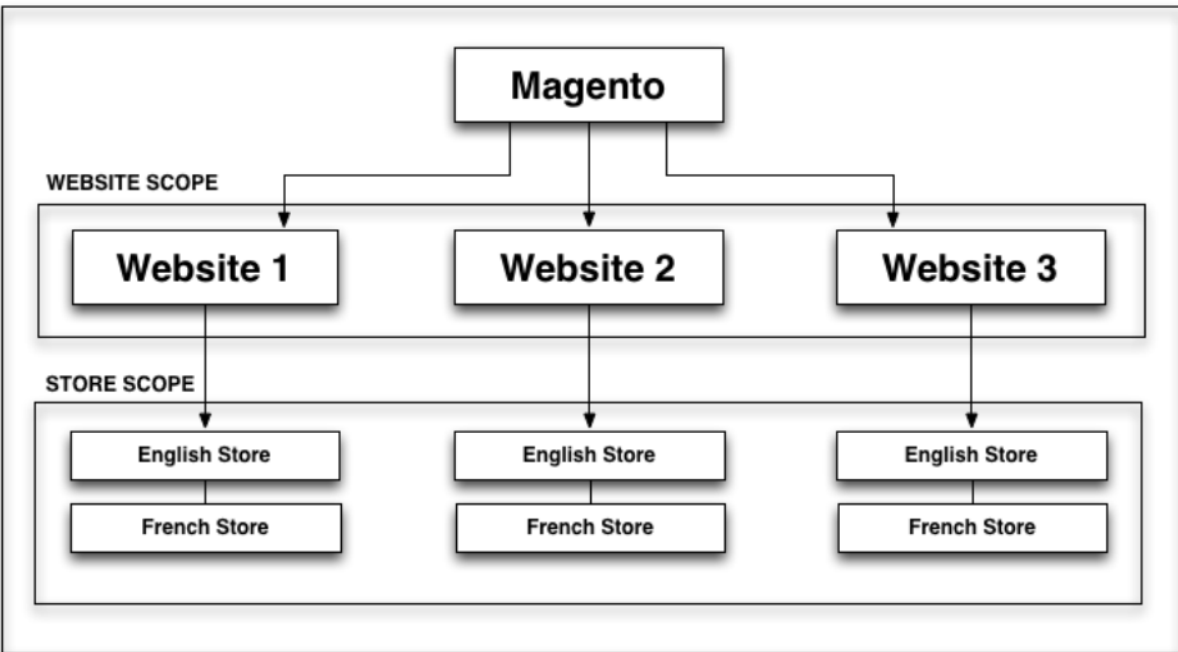
Mage_Core_Model_Config



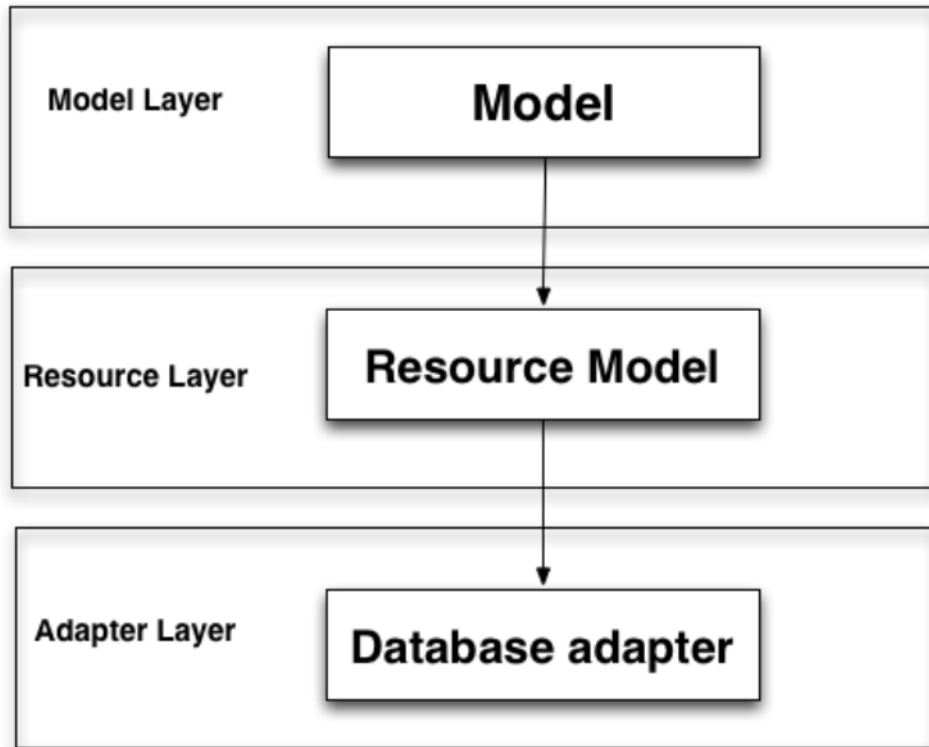
Mage_Core_Model_Abstract

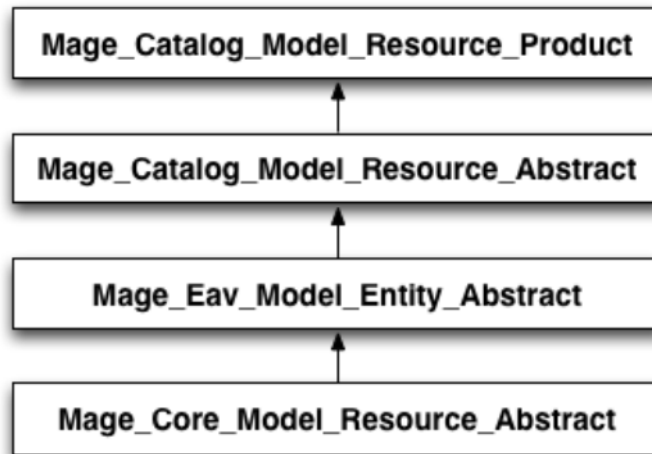
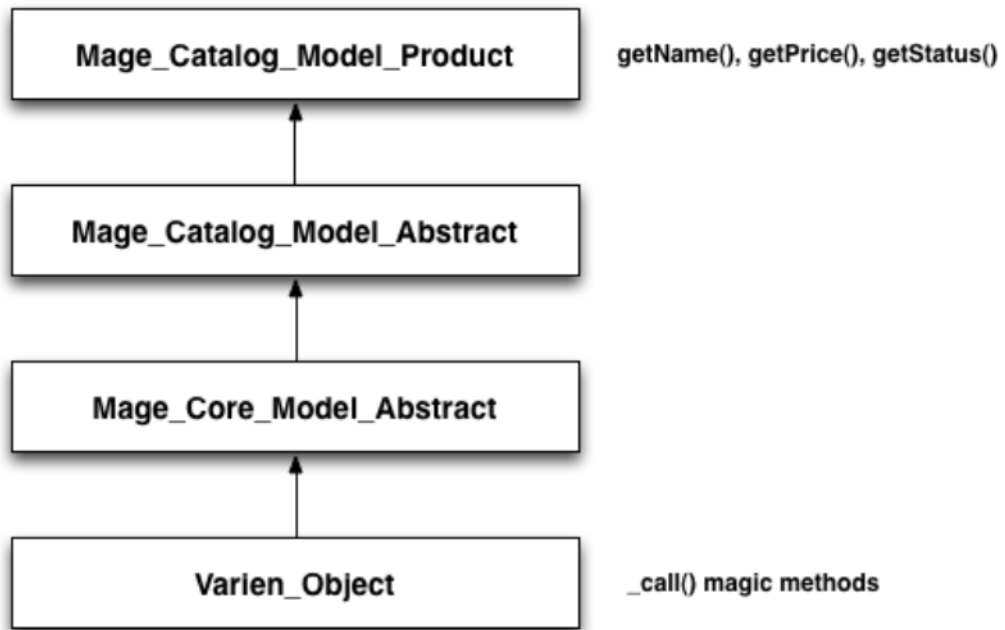


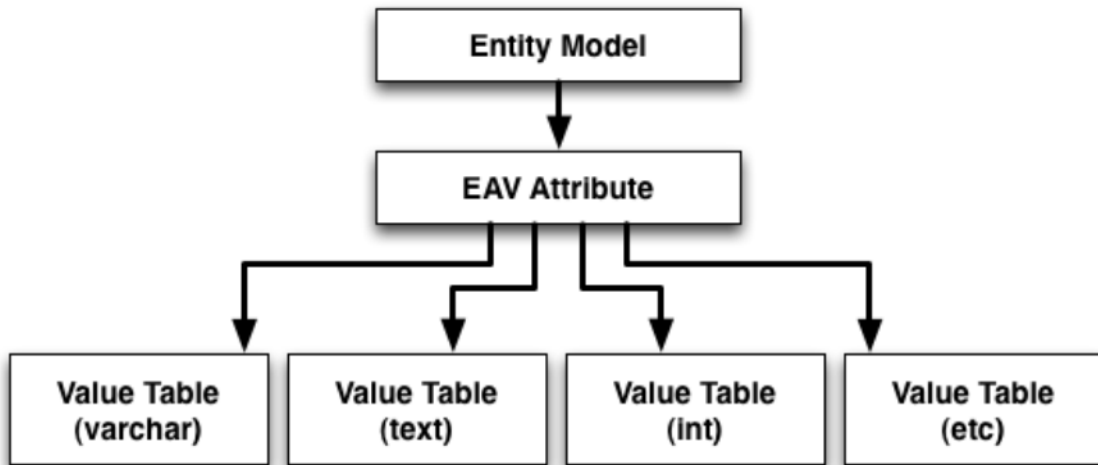
GLOBAL SCOPE



2 - ORM and Data Collections







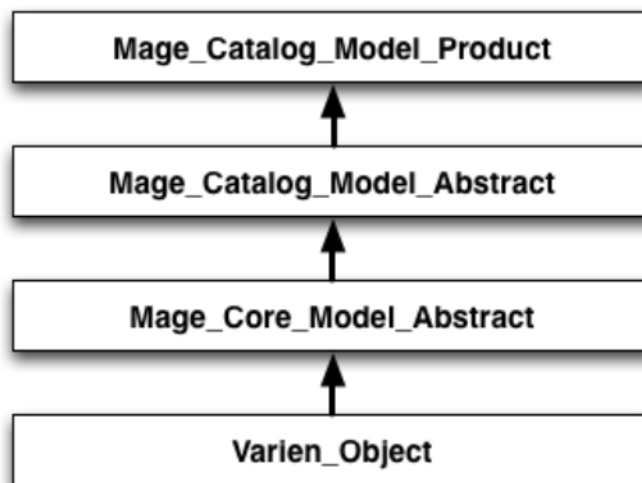
Magento Stores each value type in different tables



	entity_id Entity ID	entity_type_id Entity Type ID	attribute_set_id Attribute Set ID	type_id ID	Type	sku SKU	has_options Options	required_options Required Options	created_at Creation Time	updated_at Update Time
<input type="checkbox"/>	1		4	4	giftcard	gift card		1	2012-05-30 21:14:47	2012-07-31 15:04:13
<input type="checkbox"/>	8		4	4	giftcard	gift card 2		1	2012-07-05 18:06:43	2012-07-05 20:16:00
<input type="checkbox"/>	6254		4	4	simple	14157140-9/39-9042		0	2012-08-17 14:20:57	2012-08-21 23:25:54
<input type="checkbox"/>	6255		4	4	simple	14157140-10/40-9042		0	2012-08-17 14:20:58	2012-08-21 23:25:57
<input type="checkbox"/>	6256		4	4	configurable	JK-11-322		0	2012-08-17 14:21:02	2012-08-21 23:26:03
<input type="checkbox"/>	6257		4	4	simple	14153143-5/6-9001		0	2012-08-17 14:21:04	2012-08-21 23:26:06
<input type="checkbox"/>	6258		4	4	simple	14153143-7/8-9001		0	2012-08-17 14:21:05	2012-08-21 23:26:09
<input type="checkbox"/>	6259		4	4	simple	14153143-9/10-9001		0	2012-08-17 14:21:07	2012-08-21 23:26:11
<input type="checkbox"/>	6260		4	4	simple	14153143-5/6-8774		0	2012-08-17 14:21:08	2012-08-21 23:26:14
<input type="checkbox"/>	6261		4	4	simple	14153143-7/8-8774		0	2012-08-17 14:21:09	2012-08-21 23:26:17
<input type="checkbox"/>	6262		4	4	simple	14153143-9/10-8774		0	2012-08-17 14:21:11	2012-08-21 23:26:20
<input type="checkbox"/>	6263		4	4	configurable	ANTB-61-32Q		0	2012-08-17 14:21:15	2012-08-21 23:26:26
<input type="checkbox"/>	6264		4	4	simple	14156353-6/36-9042		0	2012-08-17 14:21:16	2012-08-21 23:26:31
<input type="checkbox"/>	6265		4	4	simple	14156353-7/37-9042		0	2012-08-17 14:21:18	2012-08-21 23:26:34
<input type="checkbox"/>	6266		4	4	simple	14156353-8/38-9042		0	2012-08-17 14:21:19	2012-08-21 23:26:37
<input type="checkbox"/>	6267		4	4	simple	14156353-9/39-9042		0	2012-08-17 14:21:21	2012-08-21 23:26:40
<input type="checkbox"/>	6268		4	4	simple	14156353-10/40-9042		0	2012-08-17 14:21:22	2012-08-21 23:26:44
<input type="checkbox"/>	6269		4	4	simple	14156354-6/36-9379		0	2012-08-17 14:21:24	2012-08-21 23:26:46
<input type="checkbox"/>	6270		4	4	simple	14156354-7/37-9379		0	2012-08-17 14:21:25	2012-08-21 23:26:50
<input type="checkbox"/>	6271		4	4	simple	14156354-8/38-9379		0	2012-08-17 14:21:27	2012-08-21 23:26:52

	value_id Value ID	entity_type_id Entity Type ID	attribute_id Attribute ID	store_id Store ID	entity_id Entity ID	value Value
<input type="checkbox"/>	1	3	35	0	1	Root Catalog
<input type="checkbox"/>	2	3	35	1	1	Root Catalog
<input type="checkbox"/>	3	3	37	1	1	root-catalog
<input type="checkbox"/>	4	3	35	0	2	Default Category
<input type="checkbox"/>	5	3	35	1	2	Default Category
<input type="checkbox"/>	6	3	43	1	2	PRODUCTS
<input type="checkbox"/>	7	3	37	1	2	default-category
<input type="checkbox"/>	8	3	35	0	3	Clothing
<input type="checkbox"/>	9	3	37	0	3	clothing
<input type="checkbox"/>	10	3	40	0	3	NULL
<input type="checkbox"/>	11	3	43	0	3	PRODUCTS
<input type="checkbox"/>	12	3	60	0	3	position
<input type="checkbox"/>	13	3	52	0	3	NULL
<input type="checkbox"/>	14	3	55	0	3	two_columns_left
<input type="checkbox"/>	15	3	35	0	4	Tops
<input type="checkbox"/>	16	3	37	0	4	tops
<input type="checkbox"/>	17	3	40	0	4	NULL
<input type="checkbox"/>	18	3	43	0	4	PRODUCTS
<input type="checkbox"/>	19	3	52	0	4	NULL
<input type="checkbox"/>	20	3	55	0	4	NULL
<input type="checkbox"/>	21	3	35	0	5	Bottoms
<input type="checkbox"/>	22	3	37	0	5	bottoms
<input type="checkbox"/>	23	3	40	0	5	NULL
<input type="checkbox"/>	24	3	43	0	5	PRODUCTS
<input type="checkbox"/>	25	3	52	0	5	NULL
<input type="checkbox"/>	26	3	55	0	5	NULL
<input type="checkbox"/>	27	3	35	0	6	Intimates
<input type="checkbox"/>	28	3	37	0	6	intimates
<input type="checkbox"/>	29	3	40	0	6	NULL
<input type="checkbox"/>	30	3	43	0	6	PRODUCTS

product_id	product_name	product_sku
16	Nokia 2610 Phone	n2610
17	BlackBerry 8100 Pearl	bb8100
18	Sony Ericsson W810i	sw810i
19	AT&T 8525 PDA	8525PDA
20	Samsung MM-A900M Ace	MM-A900M
25	Apple MacBook Pro MA464LL/A 15.4" Notebook PC	MA464LL/A
26	Acer Ferrari 3200 Notebook Computer PC	LX.FR206.001
27	Sony VAIO VGN-TXN27N/B 11.1" Notebook PC	VGN-TXN27N/B
28	Toshiba M285-E 14"	M285-E
29	CN Clogs Beach/Garden Clog	cn_3
30	ASICS® Men's GEL-Kayano® XII	asc_8
31	Steven by Steve Madden Pryme Pump	steve_4
32	Nine West Women's Lucero Pump	nine_3
33	ECCO Womens Golf Flexor Golf Shoe	ecco_3
34	Kenneth Cole New York Men's Con-verge Slip-on	ken_8
35	Coalesce: Functioning On Impatience T-Shirt	coal_sm
36	Ink Eater: Krylon Bombear Destroyed Tee	ink_sm
37	The Only Children: Paisley T-Shirt	oc_sm
38	Zolof The Rock And Roll Destroyer: LOL Cat T-shirt	zol_r_sm
39	The Get Up Kids: Band Camp Pullover Hoodie	4fasd5f5
41	Akio Dresser	384822
42	Barcelona Bamboo Platform Bed	bar1234



3 - Frontend Development

The screenshot shows the Magento Admin Panel interface. At the top, there is a navigation bar with tabs for Dashboard, Sales, Catalog, Mobile, Customers, Promotions, Newsletter, CMS, Reports, and System (which is currently selected). Below the navigation bar, there are two notification messages: one about holiday sales financing and another about indexes not up to date. The main content area is divided into two sections: Configuration and Advanced.

Configuration

Current Configuration Scope: Default Config (Manage Stores)

- GENERAL
 - General
 - Web
 - Design
 - Currency Setup
 - Store Email Addresses
 - Contacts
 - Reports
 - Content Management
- CATALOG
 - Catalog
 - Inventory
 - Google Sitemap

Advanced

Disable Modules Output

Mage_Admin	Enable
Mdg_Giftregistry	Enable
Mage_AdminNotification	Enable
Mage_Api	Enable
Mage_Api2	Enable
Mage_Authorizenet	Enable
Mage_Backup	Enable
Mage_Bundle	Enable
Mage_Captcha	Enable
Mage_Catalog	Enable
Mage_CatalogIndex	Enable
Mage_CatalogInventory	Enable
Mage_CatalogRule	Enable

Cache Storage Management

[Flush Magento Cache](#) [Flush Cache Storage](#)

Select All | Unselect All | Select Visible | Unselect Visible | 0 items selected

Actions Refresh Submit

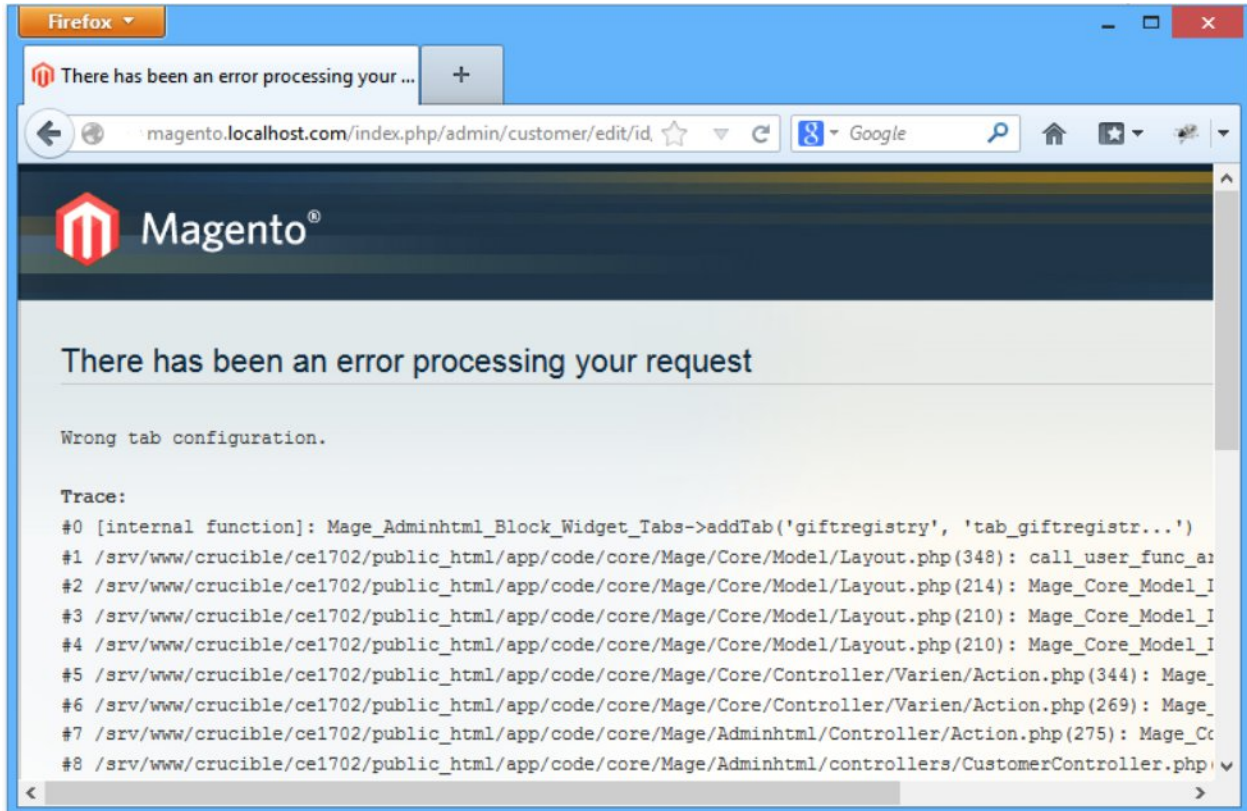
Cache Type	Description	Associated Tags	Status
<input type="checkbox"/> Configuration	System(config.xml, local.xml) and modules configuration files(config.xml).	CONFIG	ENABLED
<input type="checkbox"/> Layouts	Layout building instructions.	LAYOUT_GENERAL_CACHE_TAG	ENABLED
<input type="checkbox"/> Blocks HTML output	Page blocks HTML.	BLOCK_HTML	ENABLED
<input type="checkbox"/> Translations	Translation files.	TRANSLATE	ENABLED
<input type="checkbox"/> Collections Data	Collection data files.	COLLECTION_DATA	ENABLED
<input type="checkbox"/> EAV types and attributes	Entity types declaration cache.	EAV	ENABLED
<input type="checkbox"/> Web Services Configuration	Web Services definition files (api.xml).	CONFIG_API	ENABLED
<input type="checkbox"/> Web Services Configuration	Web Services definition files (api2.xml).	CONFIG_API2	ENABLED

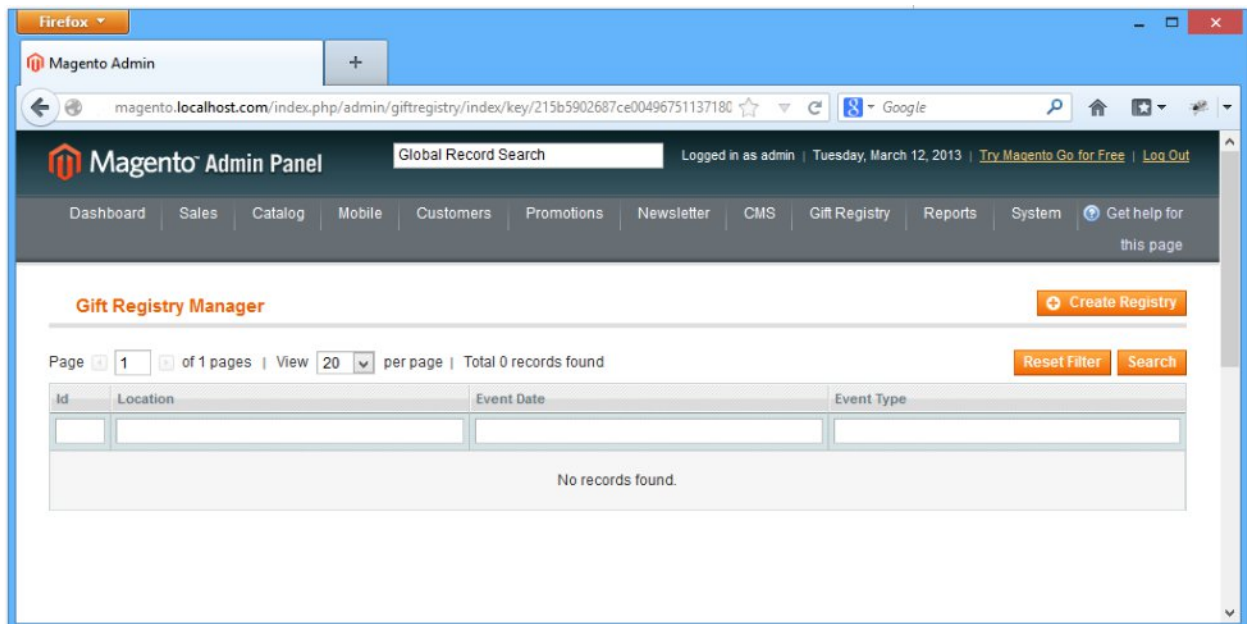
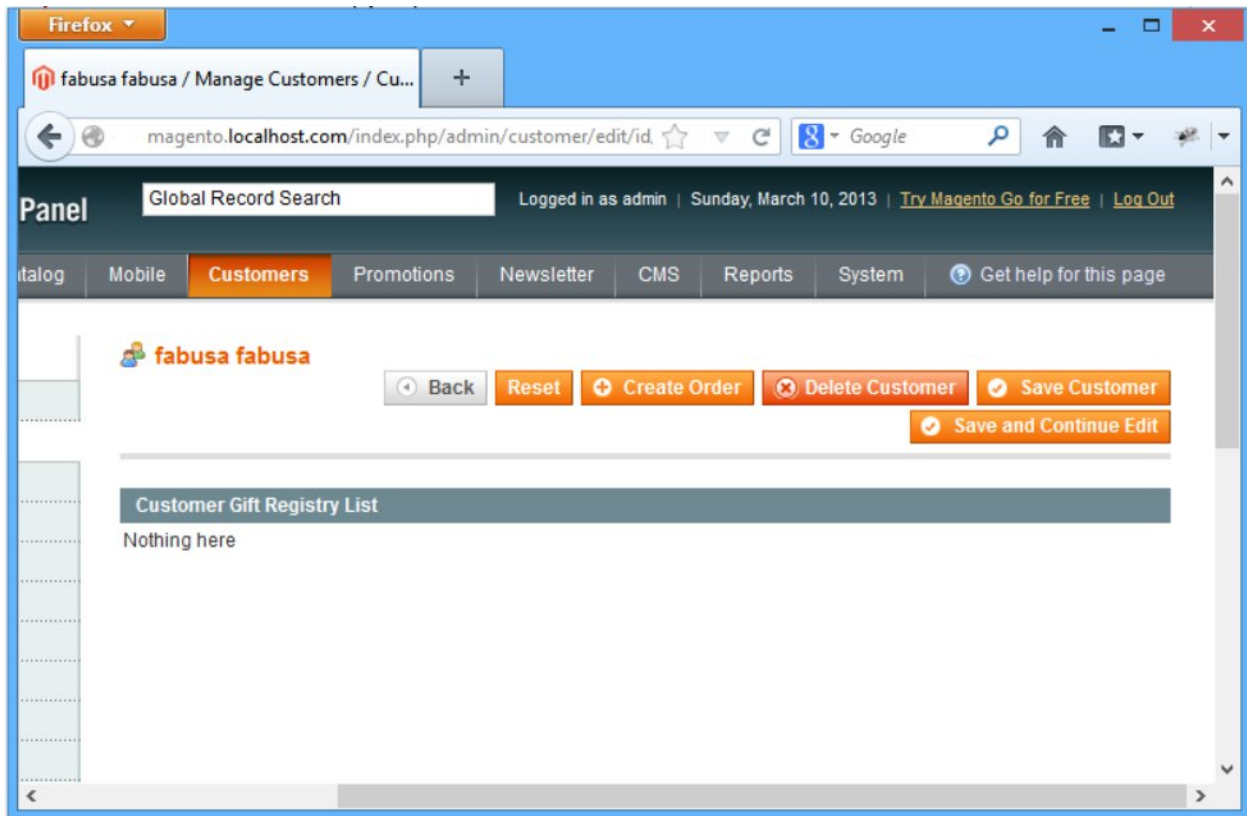
+ Options

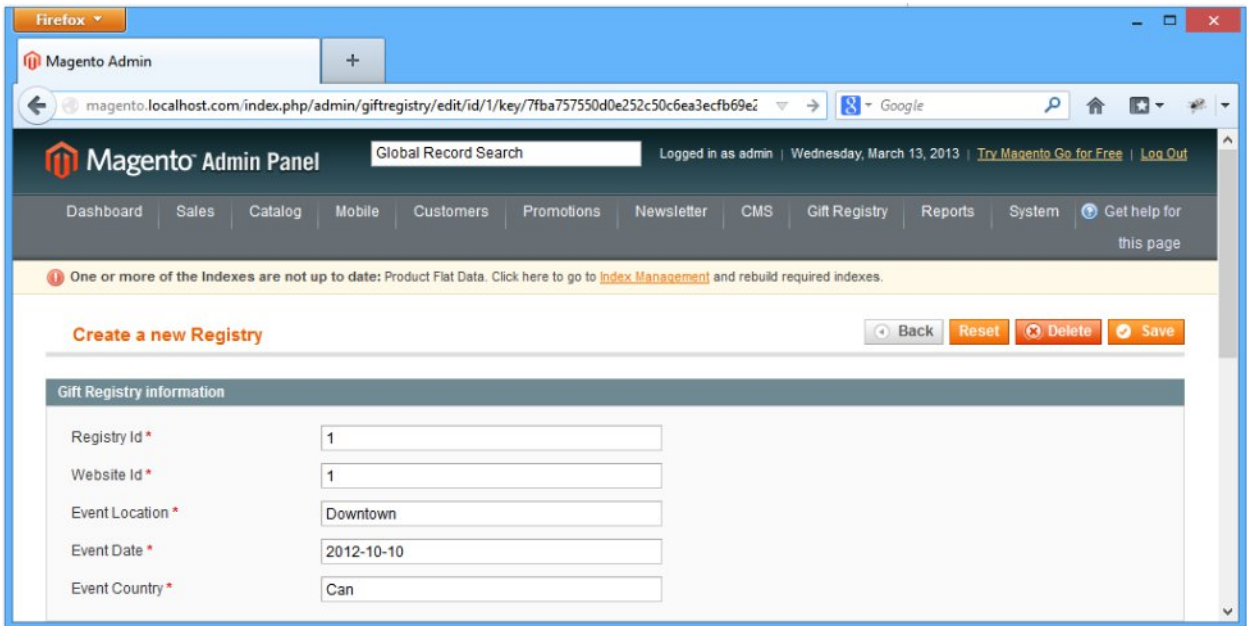
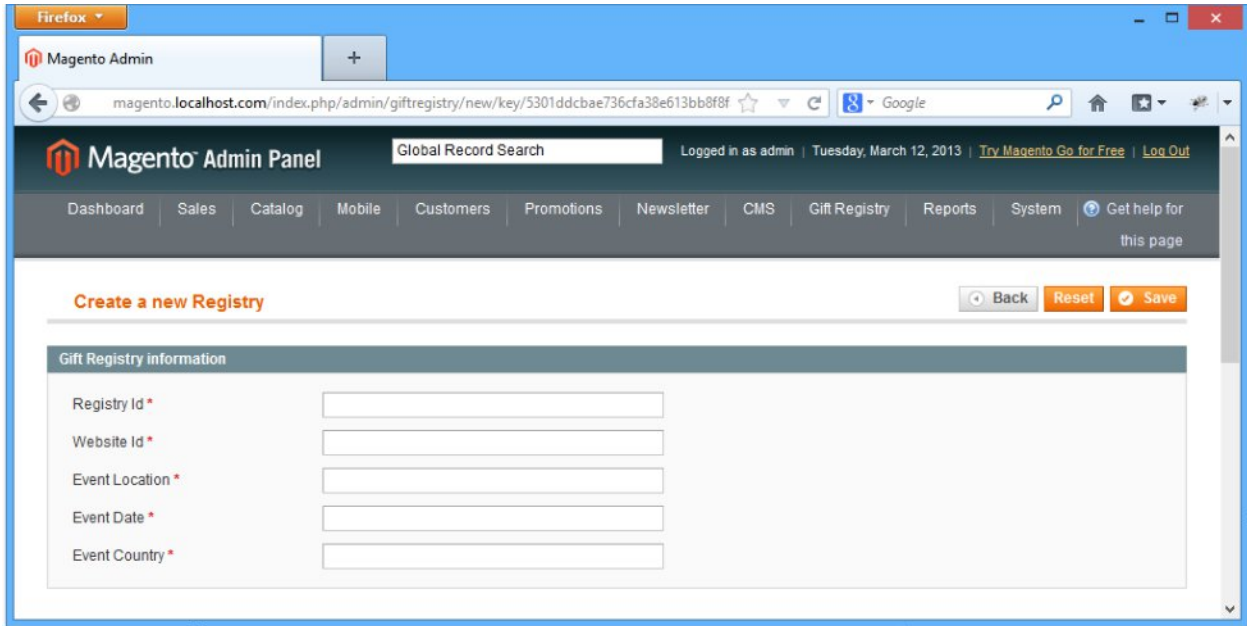
← T →

	type_id Registry Type Id	code Code	name Name	description Description	store_id Store Id	is_active Is Active
<input type="checkbox"/> Edit Copy Delete	2	baby_shower	Baby Shower	Baby Shower	0	1
<input type="checkbox"/> Edit Copy Delete	3	wedding	Wedding	Wedding	0	1
<input type="checkbox"/> Edit Copy Delete	4	birthday	Birthday	Birthday	0	1

4 - Backend Development







Firefox

Administrators / Roles / Permissions / Sy...

magento.localhost.com/index.php/admin/permissions_role/editrole/rid/1/key/33faafb4414996e95365f5b

Google

Edit Role 'Administrators'

Back Reset Delete Role Save Role

Role Information

- Role Info
- Role Resources**
- Role Users

Roles Resources

Resource Access: Custom

Resources:

- Dashboard
- Sales
- External Page Cache
- Catalog
- Customers
- Promotions
- Newsletter
- CMS
- Reports
- System
- Global Search
- Mobile
- Manage Registries
- Manage Registries

5 - The Magento API

The Listrak module requires a Listrak account. Please [go out our form](#) to get an account. If you already have a Listrak account, please [click here](#) to log in.

New User [Back](#) [Reset](#) [Save User](#)

User Information

User Info

User Role

New User [Back](#) [Reset](#) [Save User](#)

Account Information

User Name *

First Name *

Last Name *

Email *

API Key *

API Key Confirmation *

This account is

Role Information

Role Info

Role Resources

Add New Role [Back](#) [Reset](#) [Save Role](#)

Roles Resources

Resource Access

Resources

- Customer Balance
 - Retrieve balance history
 - Retrieve balance amount
- Shopping Cart
 - Customer's information
 - Set customer's addresses in shopping cart
 - Set customer for shopping cart
 - Shipping methods in shopping cart
 - Get list of available shipping methods
 - Set shipping method
 - Payment methods in shopping cart
 - Get list of available payment methods
 - Set payment method
 - Customer balance
 - Remove
 - Set
 - Products
 - Get list of products in shopping cart
 - Remove product(s) from shopping cart
 - Update product(s) quantities in shopping cart
 - Add product(s) to shopping bag
 - Get terms and conditions
 - Create an order from shopping cart
 - Retrieve information about shopping cart
 - Get total prices for shopping cart
 - Create shopping cart

Firefox

Consumers / OAuth / System / Magento...

magento.localhost.com/index.php/admin/oauth_consumer/new/key/89c934298a65454eaf1a09883f82b3

Google

Dashboard | Sales | Catalog | Mobile | Customers | Promotions | Newsletter | CMS | Gift Registry | Reports | System | Get help for this page

One or more of the indexes are not up to date: Product Flat Data. Click here to go to [Index Management](#) and rebuild required indexes.

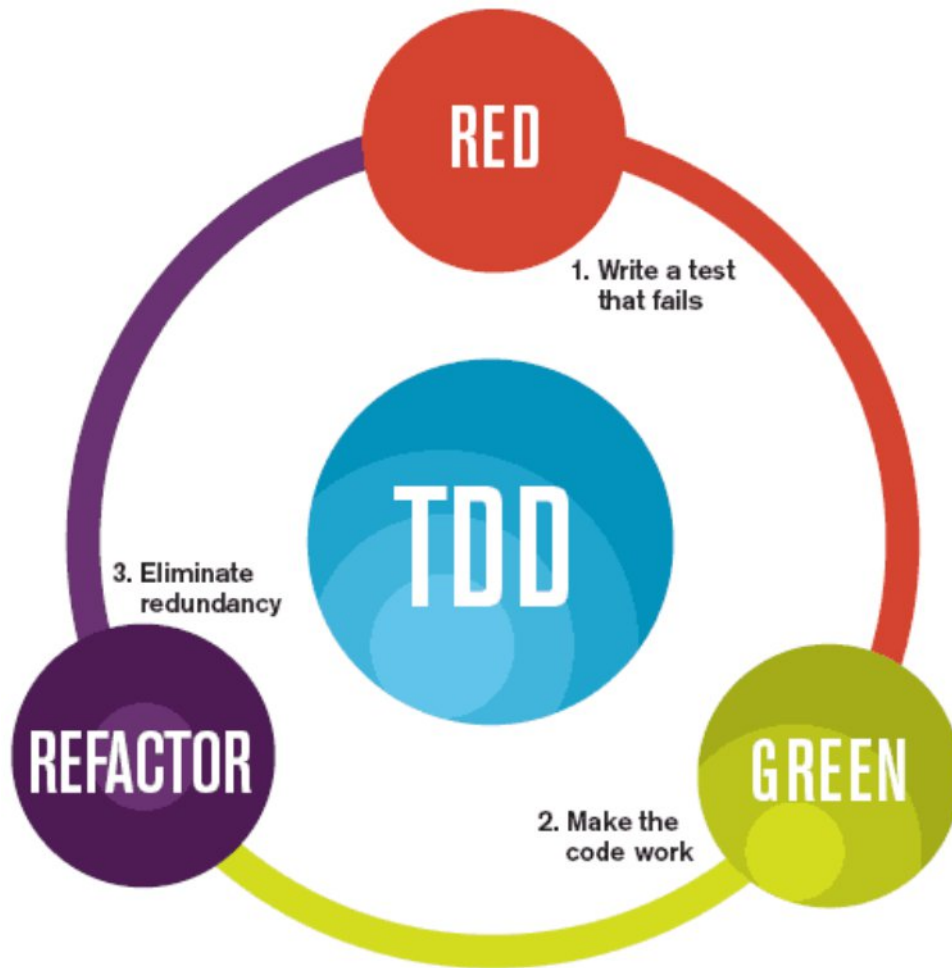
New Consumer

[Back](#) [Reset](#) [Save](#) [Save and Continue Edit](#)

Consumer Information

Name *	<input type="text"/>
Key *	<input type="text" value="ymcdteqvrzgd78sjxccui6j38um25a"/>
Secret *	<input type="text" value="ppby9z2yq1squky3rgnfctd0m5z77t12"/>
Callback URL	<input type="text"/>
Rejected Callback URL	<input type="text"/>

6 - Testing and Quality Assurance



Fixtures

1) Fixtures provide the base data for running the test cases



Test Case

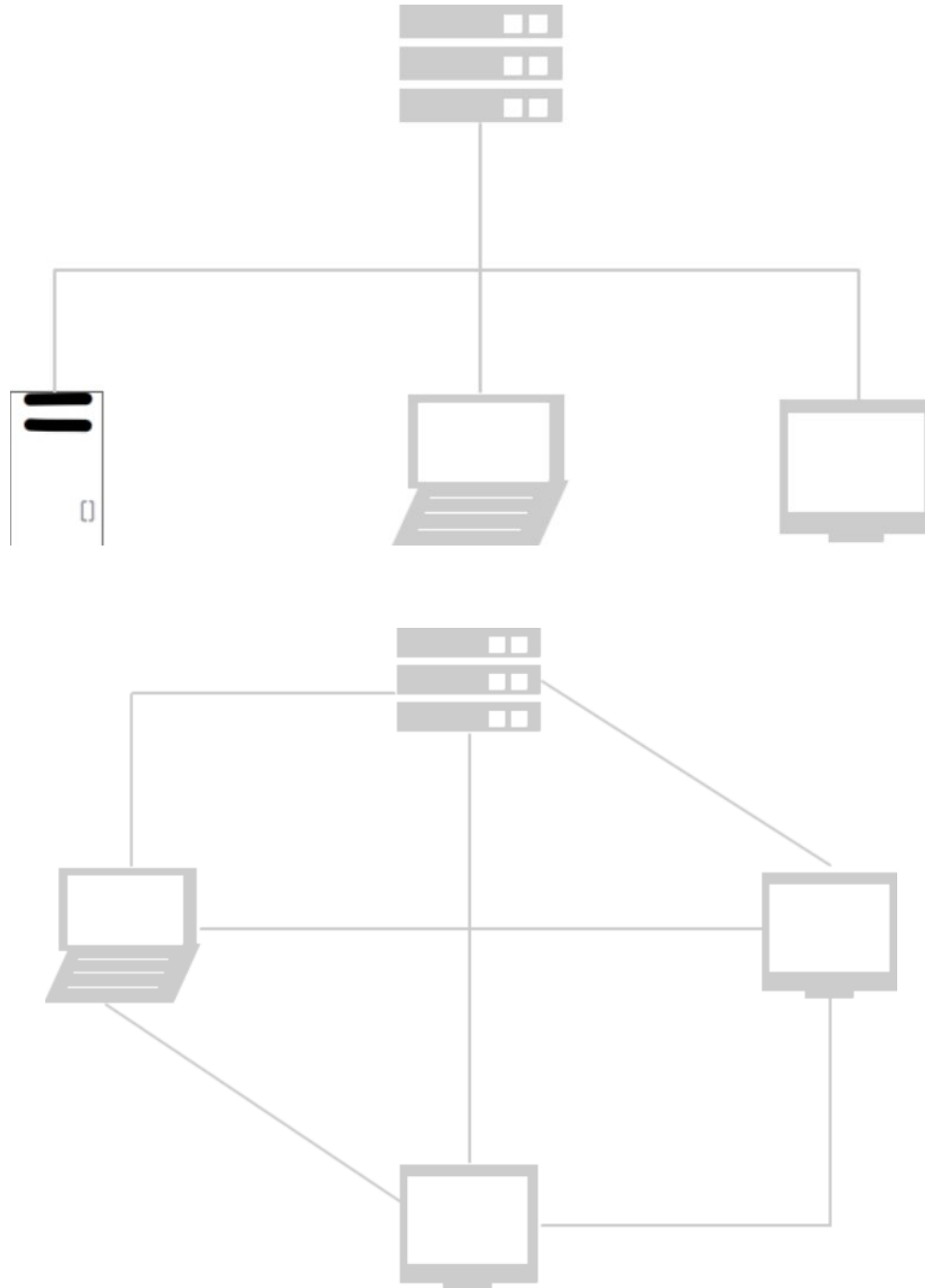
2) Test cases contain our test logic



Expectations

3) Expectations are used to verify that a test case ran successfully

7 - Deployment and Distribution



Magento Admin Panel Global Record Search Logged in as admin | Monday, February 18, 2013 | [Try Magento Go for Free](#) | [Log Out](#)

Dashboard Sales Catalog Mobile Customers Promotions Newsletter CMS Reports **System** [Get help for this page](#)

Create Extension Package

- Package Info
- Release Info
- Authors
- Dependencies
- Contents
- Load Local Package

New Extension

Reset Save Data and Create Package Save As... Save

Package

Name *

Channel *

Supported releases * 1.5.0.0 & later
Pre-1.5.0.0

Summary *

Description *

License *

License URI

Magento Admin Panel Global Record Search Logged in as admin | Monday, February 18, 2013 | [Try Magento Go for Free](#) | [Log Out](#)

Dashboard Sales Catalog Mobile Customers Promotions Newsletter CMS Reports **System** [Get help for this page](#)

Create Extension Package

- Package Info
- Release Info
- Authors
- Dependencies
- Contents
- Load Local Package

New Extension

Reset Save Data and Create Package Save As... Save

Release

Release Version *

Release Stability Development

Notes *

Create Extension Package

Package Info

Release Info

Authors

Dependencies

Contents

Load Local Package

New Extension

Reset Save Data and Create Package Save As... Save

Authors

Name *	User *	Email *	Remove
<input type="text"/>	<input type="text"/>	<input type="text"/>	Remove
			Add Author

Create Extension Package

Package Info

Release Info

Authors

Dependencies

Contents

Load Local Package

New Extension

Reset Save Data and Create Package Save As... Save

PHP Version

Minimum *

Maximum *

Packages

Package	Channel	Min	Max	Files	Action
					Add Package dependency

Extensions

Extension	Min	Max	Action
			Add PHP Extension dependency

Create Extension Package

- Package Info
- Release Info
- Authors
- Dependencies
- Contents**
- Load Local Package

New Extension

[Reset](#) [Save Data and Create Package](#) [Save As...](#) [Save](#)

Target	Path	Type	Include	Ignore	Action
Magento Local module file		File			Remove

[Add Contents Path](#)

Create Extension Package

Package Info

Release Info

Authors

Dependencies

Contents

Load Local Package

New Extension

[Reset](#) [Save Data and Create Package](#) [Save As...](#) [Save](#)

 Please be careful as once you click on the row it will load package data form the selected file and all unsaved form data will be lost.

Page of 1 pages | View per page | Total 0 records found

[Reset Filter](#) [Search](#)

Folder	Package
<input type="text"/>	<input type="text"/>
No records found.	

Add new extension

*All indicated fields are required

* Extension Title 110 left of 110

* Brief Description
110 characters only

* Detail Description

Some of HTML tags are allowed. No CCSS is allowed

* Extension Categories [Show/Hide Subcategories](#)

- Customer Experience
- Site Management
- Integrations
- Marketing
- Utilities
- Themes

* Extension Locale
isenska (Ísland) / Icelandic (Iceland))
čeština (Česká republika) / Czech (Czech Republic)
Ελληνικά (Ελλάδα) / Greek (Greece)
Српски (Србија) / Serbian (Serbia)
беларуская (Беларусь) / Belarusian 1 (Belarus)
български (България) / Bulgarian (Bulgaria)
македонски (Македонија) / Macedonian (Macedonia)
монгол (Монгол улс) / Mongolian (Moongolia)
русский (Россия) / Russian (Russia))
українська (Україна) / Ukrainian (Ukraine)

Label

* Extension Icon

File

No file chosen

Community

Is Free

License Type

License Name

License URL

Landing URL

Price

Currency

- Versions
- 1.0
 - 1.1
 - 1.2
 - 1.3
 - 1.4
 - 1.4.1.1
 - 1.4.2
 - 1.5
 - 1.6
 - 1.6.1
 - 1.6.2.0
 - 1.7

[Back](#)

Add new version of extension "My Extension"

* All indicated fields are required

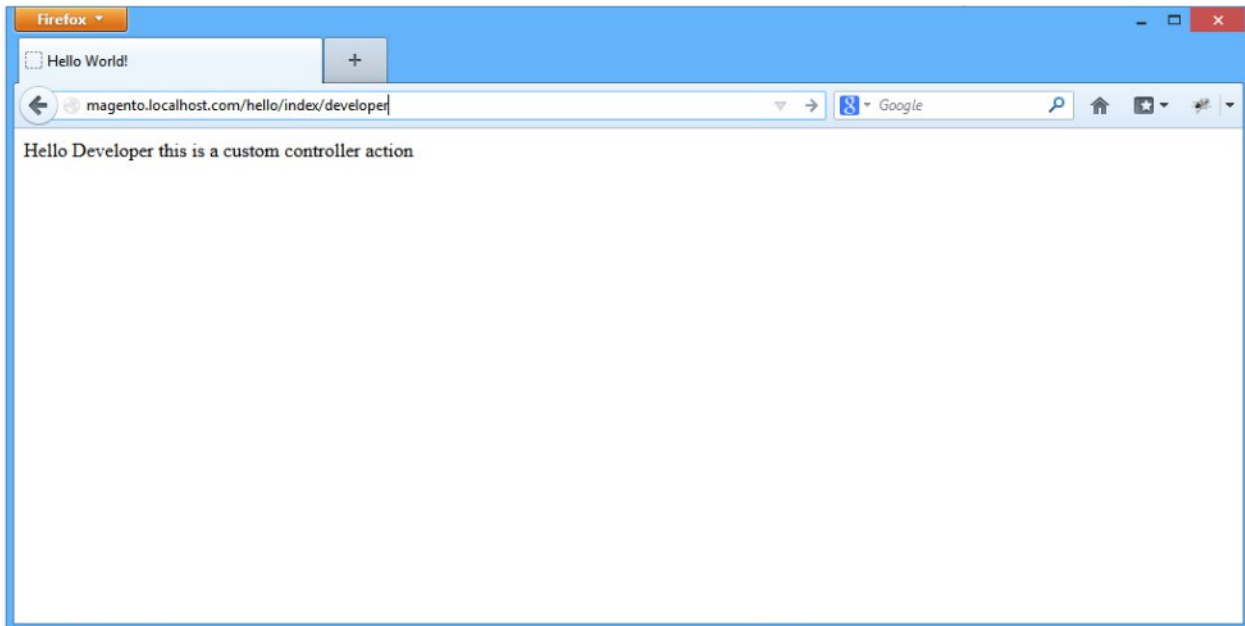
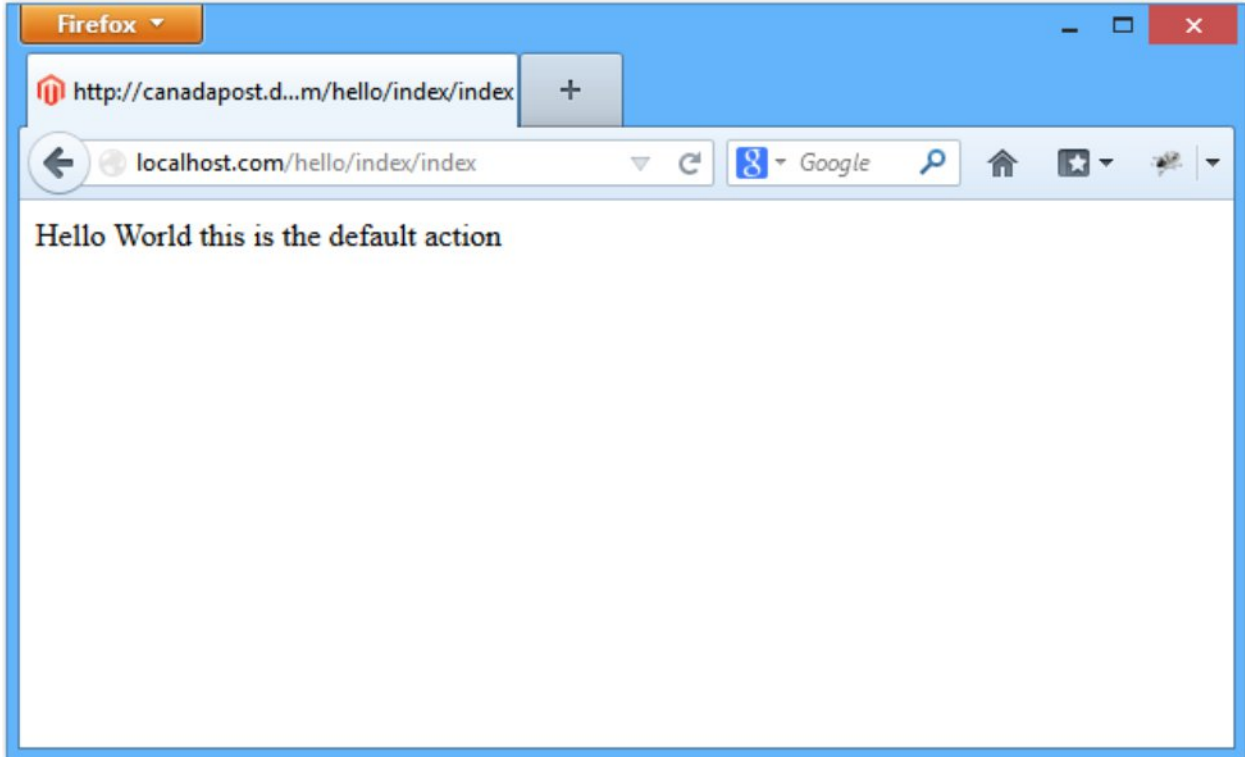
* Version Number

* Version Stability -- Please Select --

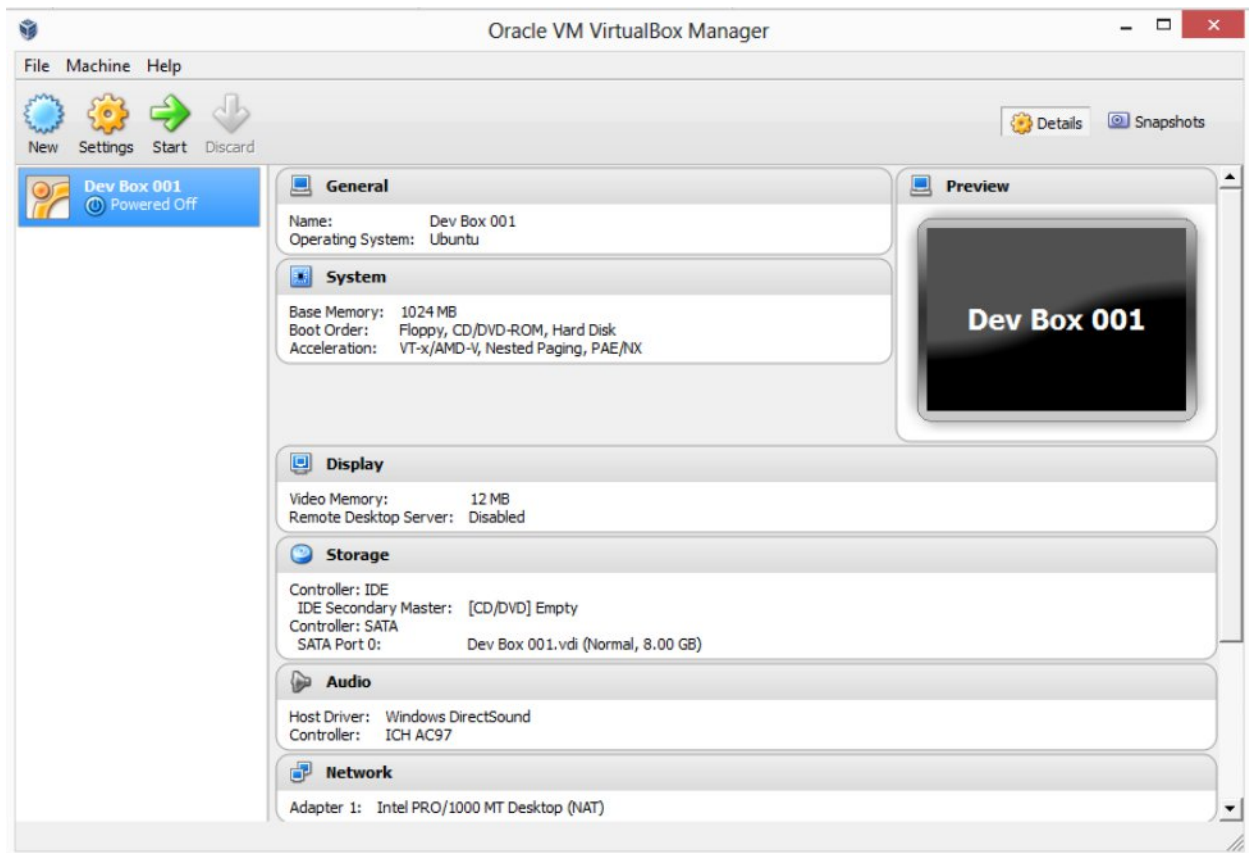
* Release Notes Title

* Release Notes

App A - Hello Magento



App B - Understanding and Setting up Our Development Environment





Create Virtual Machine



Hard drive

If you wish you can add a virtual hard drive to the new machine. You can either create a new hard drive file or select one from the list or from another location using the folder icon.

If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.

The recommended size of the hard drive is **8.00 GB**.

- Do not add a virtual hard drive
- Create a virtual hard drive now
- Use an existing virtual hard drive file

Empty




< Back

Create

Cancel



-  General
-  System
-  Display
-  Storage
-  Audio
-  Network
-  Serial Ports
-  USB
-  Shared Folders


Network

Adapter 1 | Adapter 2 | Adapter 3 | Adapter 4

Enable Network Adapter

Attached to: Bridged Adapter

Name: Realtek RTL8723A Wireless LAN 802.11n USB 2.0 Network Adapter

 Advanced

Controls how this virtual adapter is attached to the real network of the Host OS.

OK Cancel Help

ubuntu

Install Ubuntu Server
Multiple server install with MAAS
Check disc for defects
Test memory
Boot from first hard disk
Rescue a broken system

F1 Help F2 Language F3 Keymap F4 Modes F5 Accessibility F6 Other Options

[!] Configure the network

Please enter the hostname for this system.

The hostname is a single word that identifies your system to the network. If you don't know what your hostname should be, consult your network administrator. If you are setting up your own home network, you can make something up here.

Hostname:

ubuntu

<Go Back>

<Continue>

[!!] Set up users and passwords

A user account will be created for you to use instead of the root account for non-administrative activities.

Please enter the real name of this user. This information will be used for instance as default origin for emails sent by this user as well as any program which displays or uses the user's real name. Your full name is a reasonable choice.

Full name for the new user:

magedev

<Go Back>

<Continue>

[!!] Set up users and passwords

A good password will contain a mixture of letters, numbers and punctuation and should be changed at regular intervals.

Choose a password for the new user:

xxxxxxxxxx

<Go Back>

<Continue>

Installation

- Download
- License Agreement**
- Localization
- Configuration
- Create Admin Account
- You're All Set

Having trouble installing Magento?
Check out our [Installation Guide](#)

Welcome to Magento's Installation Wizard!**Open Software License ("OSL") v. 3.0**

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- to translate, adapt, alter, transform, modify, or arrange the Original Work, thereby creating derivative works ("Derivative Works") based upon the Original Work
- to distribute or communicate copies of the Original Work and Derivative Works to the public, with the proviso that copies of Original Work or Derivative Works that You distribute or communicate shall be licensed under this Open Software License

I agree to the above terms and conditions.

[Continue](#)**[!!!] Set up users and passwords**

A user account will be created for you to use instead of the root account for non-administrative activities.

Please enter the real name of this user. This information will be used for instance as default origin for emails sent by this user as well as any program which displays or uses the user's real name. Your full name is a reasonable choice.

Full name for the new user:

Magento Developer

<Go Back>

<Continue>

[!!] Partition disks

The installer can guide you through partitioning a disk (using different standard schemes) or, if you prefer, you can do it manually. With guided partitioning you will still have a chance later to review and customise the results.

If you choose guided partitioning for an entire disk, you will next be asked which disk should be used.

Partitioning method:

- Guided - use entire disk
- Guided - use entire disk and set up LVM
- Guided - use entire disk and set up encrypted LVM
- Manual

<Go Back>

[!!] Partition disks

Note that all data on the disk you select will be erased, but not before you have confirmed that you really want to make the changes.

Select disk to partition:

SCSI1 (0,0,0) (sda) - 8.6 GB ATA VBOX HARDDISK

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[!] Partition disks

This is an overview of your currently configured partitions and mount points. Select a partition to modify its settings (file system, mount point, etc.), a free space to create partitions, or a device to initialize its partition table.

```
Guided partitioning
Configure software RAID
Configure the Logical Volume Manager
Configure encrypted volumes
Configure iSCSI volumes

LVM VG ubuntu, LV root - 7.2 GB Linux device-mapper (linear)
#1          7.2 GB  f  ext4  /
LVM VG ubuntu, LV swap_1 - 1.1 GB Linux device-mapper (linear)
#1          1.1 GB  f  swap   swap
SCSI1 (0,0,0) (sda) - 8.6 GB ATA VBOX HARDDISK
#1 primary 254.8 MB  f  ext2   /boot
#5 logical  8.3 GB  K  lvm
```

Undo changes to partitions

Finish partitioning and write changes to disk

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[!] Software selection

At the moment, only the core of the system is installed. To tune the system to your needs, you can choose to install one or more of the following predefined collections of software.

Choose software to install:

```
[ ] OpenSSH server
[ ] DNS server
[ ] LAMP server
[ ] Mail server
[ ] PostgreSQL database
[ ] Print server
[ ] Samba file server
[ ] Tomcat Java server
[ ] Virtual Machine host
[ ] Manual package selection
```

<Continue>