Drupal notes:

1. Database : drupal712
2. Database user and password drupaluser/1234
3. <url:http://localhost:81/drupal7>
4. Site admin : admin/680628
5. Create a git repo:
   1. Right click the folder, create repository
   2. Add files to repo
   3. Go on to github ,create a repo
   4. On desktop, create a remote with the url like

https://cleancodenz@github.com/cleancodenz/DrupalDev.git

* 1. Push to remote
  2. How to get rid off of message box

Git unlock index or continue

* + 1. Go to repository, then .git directory, some time it is hidden
    2. In the core group
    3. Add
    4. Following :

autocrlf = input   
safecrlf = false

* + 1. dd
  1. ddd

1. Beautiful url
   1. Enable clean url first

It might be turned off for apache, in wamp, apache, apache modules – enable rewrite\_module

Still the clean url test will fail if the install is not using a top level domain name but a subdirectory then RewriteBase should be changed to the subdirectory name

RewriteBase /mysite

In my case /mysite is /drupal7 as my install url is <http://localhost:81/drupal7/>

* 1. Install pathAuto module
  2. Install token module
  3. Administration:config:search and meta data:url alias:pattern tab
  4. For all previous contents, enable the automatic url

1. Theme designing
   1. Folder is :sites/all/themes/mytheme
   2. .info file: sites/all/themes/mytheme/mytheme.info
   3. Defaults

These defaults apply as a group. In other words, overriding a region with regions[sub\_header] = Sub-header will omit the rest of the default regions. To gain them back, they must be redefined. This also applies to stylesheets. Even though it's not technically in a group, defining another stylesheet will prevent "style.css" from being included unless it is redefined

* 1. Regions in content
     1. Must have regions[content] = Content
     2. Output of region

Internal names are converted into region variables inside the "page.tpl.php" template automatically. In the above example, the [header] region will output all the blocks assigned to it through the $header variable in Drupal 6, or $page['header'] in Drupal 7.

Name of region will appear on blocks management page

* + 1. There are template (.tpl.php) files available for rendering individual blocks
    2. Order of regions definition

The order in which the regions are defined will be reflected in the block configuration table

* + 1. Manually set content of a region using drupal\_set\_content('header', 'Welcome!')
  1. Color scheme, color module integration
  2. Clearing the cache:

admin/config/development/performance-Clear all cache to reflect the new theme changes

* 1. Template.php

Preprocessors for generating variables before they are merged with the mark up in side .tpl.php files

The only files that are required in the theme's root is the .info file and template.php. This is cool because you can put all your .tpl.php files in a templates/ directory and Drupal will still discover them

* 1. Add javascripts through behaviours
  3. ffff
  4. ddd
  5. ccc

1. Blue print
   1. Source file structure
      1. /blueprint/ css folder
      2. Main css files /blueprint/

Screen.css, ie.css, print.css,

/blueprint/plugin and /blueprint/src/ will be used by main css files

* + 1. ddd

1. Useful links
   1. Drupal 7 examples :

http://api.drupal.org/api/examples/7

* 1. ddd

1. Hooks
   1. hook\_help($path, $arg)

path could either be a registered path in hook\_menu

using ‘%’ for wildcard matching

arg can provide further params

To provide a help page for a whole module with a listing on admin/help, your hook implementation should match a path with a special descriptor after a "#" sign: 'admin/help#modulename' The main module help text, displayed on the admin/help/modulename page and linked to from the admin/help page

* 1. hook\_menu
  2. ddddd

1. Key functions:
   1. Node\_view(), /modules/node/node.module

$node->

vid 6

uid 1

title First listing

log

status 1

comment 2

promote 1

sticky 0

nid 6

type cleancode\_realty

language und

created 1331669629

changed 1331669629

tnid 0

translate 0

revision\_timestamp 1331669629

revision\_uid 1

body Array [1]

und Array [1]

0 Array [5]

value This is first listing

summary

format filtered\_html

safe\_value <p>This is first listing</p>\n

safe\_summary

cleancode\_realty\_color Array [1]

cleancode\_realty\_quantity Array [1]

cleancode\_realty\_image Array [1]

und Array [1]

0 Array [13]

fid 2

alt

title

width 1024

height 768

uid 1

filename Lighthouse.jpg

uri public://Lighthouse.jpg

filemime image/jpeg

filesize 561276

status 1

timestamp 1331669629

rdf\_mapping Array [0]

rdf\_mapping Array [9]

cid 0

last\_comment\_timestamp 1331669629

last\_comment\_name <Uninitialized>

last\_comment\_uid 1

comment\_count 0

name admin

picture 0

data b:0;

* 1. node\_build\_content($node, $view\_mode = 'full', $langcode = NULL) /modules/node/node.module
     1. get node base , node\_content
     2. run node\_content\_view, on the previous base

after the fields prepare view, $node->content is

content Array [6]

body Array [16]

#theme field

#weight 1

#title Body Example Description

#access true

#label\_display hidden

#view\_mode cleancode\_realty\_list

#language und

#field\_name body

#field\_type text\_with\_summary

#field\_translatable 0

#entity\_type node

#bundle cleancode\_realty

#object stdClass

#items Array [1]

0 Array [5]

value This is first listing

summary

format filtered\_html

safe\_value <p>This is first listing</p>\n

safe\_summary

#formatter text\_summary\_or\_trimmed

0 Array [1]

cleancode\_realty\_color Array [16]

#theme field

#weight 2

#title The colors available for this object.

#access true

#label\_display hidden

#view\_mode cleancode\_realty\_list

#language und

#field\_name cleancode\_realty\_color

#field\_type text

#field\_translatable 0

#entity\_type node

#bundle cleancode\_realty

#object stdClass

#items Array [1]

0 Array [3]

value ccc

format <Uninitialized>

safe\_value ccc

#formatter cleancode\_realty\_colors

0 Array [2]

cleancode\_realty\_image Array [16]

#theme field

#weight 4

#title Upload an image:

#access true

#label\_display hidden

#view\_mode cleancode\_realty\_list

#language und

#field\_name cleancode\_realty\_image

#field\_type image

#field\_translatable 0

#entity\_type node

#bundle cleancode\_realty

#object stdClass

#items Array [1]

0 Array [13]

#formatter image

0 Array [4]

#pre\_render Array [1]

#entity\_type node

#bundle cleancode\_realty

After links added to $node->content

links Array [5]

#theme links\_\_node

#pre\_render Array [1]

0 drupal\_pre\_render\_links

#attributes Array [1]

class Array [2]

node Array [3]

#theme links\_\_node\_\_node

#links Array [0]

#attributes Array [1]

comment Array [3]

#theme links\_\_node\_\_comment

#links Array [1]

comment\_forbidden Array [2]

title <a href="/drupal7/user/login?destination=node/6%23comment-form">Log in</a> or <a href="/drupal7/user/register?destination=node/6%23comment-form">register</a> to post comments

html true

#attributes Array [1]

class Array [2]

0 links

1 inline

If there is custom view, finally the format of build which was content before

$build Array [11]

body Array [16]

cleancode\_realty\_color Array [16]

cleancode\_realty\_image Array [16]

#pre\_render Array [1]

#entity\_type node

#bundle cleancode\_realty

links Array [5]

#theme node

#node stdClass

#view\_mode cleancode\_realty\_list

#language en

* + 1. field\_attach\_prepare\_view($entity\_type, $entities, $view\_mode, $langcode = NULL)

Field structure

entity\_types Array [1]

translatable 0

settings Array [0]

storage Array [5]

foreign keys Array [1]

indexes Array [1]

id 2

field\_name body

type text\_with\_summary

module text

active 1

locked 0

cardinality 1

deleted 0

columns Array [3]

bundles Array [1]

Instance structure

$instance Array [13]

label Body Example Description

widget Array [4]

type text\_textarea\_with\_summary

settings Array [2]

rows 20

summary\_rows 5

weight 0

module text

settings Array [3]

display\_summary true

text\_processing 1

user\_register\_form false

display Array [3]

default Array [5]

label hidden

type text\_default

settings Array [0]

module text

weight 0

teaser Array [5]

label hidden

type text\_summary\_or\_trimmed

settings Array [1]

module text

weight 0

cleancode\_realty\_list Array [5]

label hidden

type text\_summary\_or\_trimmed

settings Array [1]

module text

weight 1

required false

description

length 0

default\_value <Uninitialized>

id 18

field\_id 2

field\_name body

entity\_type node

bundle cleancode\_realty

deleted 0

* + 1. s
    2. ddd
  1. The render array is

$renderable\_array Array [2]

explanation Array [1]

node\_list Array [2]

0 Array [12]

body Array [16]

cleancode\_realty\_color Array [16]

cleancode\_realty\_image Array [16]

#pre\_render Array [1]

#entity\_type node

#bundle cleancode\_realty

links Array [5]

#theme node

#node stdClass

#view\_mode cleancode\_realty\_list

#language en

#contextual\_links Array [1]

1 Array [12]

* 1. drupal\_deliver\_html\_page($page\_callback\_result), /includes/common.inc
     1. drupal\_add\_http\_header('Content-Type', 'text/html; charset=utf-8')
     2. drupal\_add\_http\_header('Content-Language', $language->language);
     3. drupal\_render\_page($page\_callback\_result);
     4. drupal\_page\_footer();
  2. drupal\_render\_page($page) , /includes/common.inc
     1. drupal\_set\_page\_content($page);

in the end $page will be like

$page Array [10]

#show\_messages true

#theme page

#theme\_wrappers Array [1]

0 html

#type page

help Array [4]

system\_help Array [4]

#sorted true

#theme\_wrappers Array [1]

#region help

content Array [4]

system\_main Array [5]

#sorted true

#theme\_wrappers Array [1]

#region content

sidebar\_first Array [5]

system\_navigation Array [6]

user\_login Array [27]

#sorted true

#theme\_wrappers Array [1]

#region sidebar\_first

footer\_firstcolumn Array [4]

current\_posts\_current\_posts Array [6]

#sorted true

#theme\_wrappers Array [1]

#region footer\_firstcolumn

footer Array [4]

system\_powered-by Array [5]

#sorted true

#theme\_wrappers Array [1]

#region footer

page\_top Array [3]

toolbar Array [3]

#theme\_wrappers Array [1]

#region page\_top

* + 1. drupal\_render($page)
    2. ddd
  1. dddd

1. Entiy Bundle field

In an example of content type ‘article’

Entity-> node

Bundle-> article (subtype, or content type, or node type)

Fields -> fields attached in the bundle

1. Node API

What node api does is create independent fields that can be enabled to attach to an existing content type

Hook\_form\_alter will attach the new fields to existing editor form and configuration in node type edit form to allow administrator to config.

It is different from a new node type which has its own defined fields

1. Form API
   1. Through form constructore function $form and $formstate

$form[‘itemname’]= array(

'#type' => 'item',

'#title' => t('A form with nothing but a textfield')

)

Each of $form field will create an item on the form

$form['submit'] = array(

'#type' => 'submit',

'#value' => 'Submit',

);

A submit button

1. MENU API
   1. Navigation

Navigation is a block which can be placed in the structure-blocks

Menus defined in hook\_menu will be added to Navigation automatically

In the menus, new menu blocks like Navigation can be added can be added, within this menu block you can add other links to this menu block, the links must be provided, it is not selected

* 1. Hook\_menu

"access callback" with an optional "access arguments" of each menu item is called before the page callback proceeds

Type:

MENU\_NORMAL\_ITEM

MENU\_DEFAULT\_LOCAL\_TASK and MENU\_LOCAL\_TASK will appear as tabs on its parent url /parent/localtask1

Will appear as tabs on page /parent/

The default task normally is not linked to its provided path, but to its parent instead.

page callback should be a function, or a general one like : drupal\_get\_form

The menu will form the links into a tree structure according its route

A

a/b

a/c

* 1. ddd

1. Big picture
   1. Content:
      1. Content type

Structure->Content Type

* + - 1. Edit
         1. There might be custom settings
         2. Submission form settings
         3. Publish options
         4. Display settings
         5. Comments Settings
         6. Menu Settings

The menus available to place links in for this content type.

When content is created, menu tab will ask for title of the menu and where to put this new content on the menu hierachy, this is controled by the menu settings of content type

Main menu

Is the system one

ddd

* + - 1. Manage Fields

There are three compulsary fields that come from node base type

Title, label of this can be changed when the type is created

Url path settings,

Body,

Plus custom fields

* + - 1. ddd
    1. dddd
  1. Menus
     1. Main menu

This is the system one, some time due to theme, it might not be expandable for children nodes.

But then you view children nodes, the navigation crumbs will always be right.

In some themes the main menu can be hard coded, that is without enabling the main menu on any block, you can still can see main menu, like the default theme.

* + 1. Navigation menu

This is the system one too

Expandable children can be displayed

* + 1. Management menu

This is the system one

* + 1. User menu

This is the system one

* + 1. ddd
  1. Block

Blocks are placed in regions which come from theme

A block can be installed as module with block type

A menu is a block, so it can be placed in regions

* + 1. Pages:

It can be placed on only certain pages

* + 1. Content types

Only show on certain content types

* + 1. Roles
    2. Users
    3. API
       1. Path: sites/all/modules/modulename
       2. Info file : sites/all/modules/modulename/modulename.info
       3. Module file : sites/all/modules/modulename/modulename.module
    4. ddd
  1. Taxonomy

1. Modules: Program Interface, APIs
   1. Path: sites/all/modules
2. Eclipse configuration for drupal model development
   1. Install hook template to enable code completion
      1. Download the templates from the Eclipse Hook Templates project page
      2. In Eclipse, go to Preferences > PHP > Editor > Templates and 'Import' the downloaded XML file. Apply your changes
      3. Use the templates by typing the name of the hook (eg. 'hook\_form') and pressing ctrl-space to pop up the auto-complete window.
      4. http://drupal.org/project/eclipse
   2. File extension support

Under Window -> Preferences (Eclipse

-> Preferences on Mac) menu:

\* Expand the left-hand menu to General -> Content Types. Under Content types on the right, click Text -> PHP Content Type. Add the \*.engine, \*.theme, \*.install, \*.inc, \*.module \*.profile and \*.test file types so that these files will be recognized as PHP. The free plug-in to Eclipse for Drupal developers does this for you and is easy to install.

Under Window -> Preferences (Eclipse

-> Preferences on Mac) menu:

\* In the left-hand menu click on General -> Workspace: Check Text file encoding and select

Other :

UTF-8

Check New text file line delimiter and select

Other:

Unix

Under Window -> Preferences (Eclipse

-> Preferences on Mac) menu:

\* In the left-hand menu click on General -> Editors -> Text

Editors: Check Insert spaces for tabs.

In the left-hand menu click on PHP -> Code Style ->

Formatter: Set Tab policy: Spaces. Set Indentation size to 2.

1. dddd