**Flipkart Coding Guidelines**

**Project Directory Structure**

Java Resource

src

com

flipkart

**action**

usecase-1 folder

ActionClass1.java

ActionClass2.java

**model**

usecase-1 folder

ModelClass1.java

ModelClass2.java

**Util**

UtilityClass.java

**Interceptor**

usecase-1 folder

ActionnameInterceptor.java

**Naming Convention**

* All Jsps pages will be of small case No Underscore PLZ.
  + e.g. **viewcart.jsp, adminlogin.jsp**
* All ActionClasses, ModelClasses and POJO Classes will be InitCaps.
  + e.g. **UserLoginAction.java, UserLoginModel.Java, UserLogin.java**
* All variable name and method name and method parameters will be camelCase and descriptive
  + e.g. **userLogin(), updateCartItems(), adminUserName, cartItemName**
* Constant name in ALL CAPS
  + e.g. **BANNED, ACTIVE**

Please give descriptive name everywhere doesn't matter how big it is.

**UI Design Constraints**

* We will create a skeleton layout.
* We all will be strictly using core bootstrap css, NOT any modified version\*.
* All of you dig deeper into bootstrap CSS and use all HTML tags with conforming to bootstrap CSS.
* When the Layout will be fixed and you have to use that.
  + Layout type: 3 column layout (left sidebar(20%), body(60%), right sidebar(20%))
  + Static part: Header, footer
  + dynamic parts: Body and both the side bars.
* You will only be responsible for Body/sidebars of the page where you will be putting your content. Don’t mess up with any other part of the layout.
* Do Not hardcode style even in a single HTML tag unless its very much required discuss first or you have to remove later.
* Use the JavaScript available in bootstrap. Don’t put your own unless required and discuss first.
* Do all your fancy creativity in your local copy its too creative to be included in the project\*.
* Overall we will all decide upon a common design and layout and no further changes will be made unless until required and after discussing with the Team.
* After completing the project, We put more effort in modifying the GUI to look like flipkart but no one will be doing any modification after layout is finalized. And as I said you are very welcome put all your imagination and creativity in your local copy. We will see if it look good we can think of using it if it doesn’t break any design UX principles.

**DB Design Constraints**

* DB name will be application name
* All tables will have Application Name as Prefix
  + e.g. Flipkart\_ProductTable
* All column name will be in camelCase.
* We will have a folder which will have all DB dumps showing all changes.
* All the tables must have a “createdBy”, “createdOn”, “modifiedBy”, “modifiedOn” column whether or not we are using it make it as NULL allowed.
* All tables will have auto generated surrogate key as primary key.

**SVN commit guidelines**

* Project will be on Google code using SVN
* Everyone will be using SVN eclipse plugin
* Whenever you start a new task take “latest from repository”.
* Start working on the file after “locking” it. Make the changes and “commit” into the repository. Before committing the file, on a safety side , take “update to head”.
* Commit the files on regular basis.
* COMMIT ONLY THE FILE YOU ARE WORKING ON. DO NOT COMMIT WHOLE FOLDER.

**Other**

* POJO attribute names will be same as db coloumn
* All comment as JavaDoc
* Give as much comment as you can
* Action support return type use SUCCESS, INPUT, ERROR

**V.IMP Note:**

* If not sure about anything “please ask us”. What you know might not be the best way.
* If anything is not according to conventions, you have to redo it so make sure you follow what is finalized.
* \*If you want to do according to your wish make a clone project and play around with. Don’t mess up with the main project code.
* We will have meetings twice a week to synch project, clear doubts and help in coding if someone is facing problem. Make yourself comfortable to come. No coding in meeting.
* We will also audit each others work in one of the meeting to make your you don’t make mistakes and if there any mistake change it right away.
* No one will change other’s work without talking to him/her.

**V. V.IMP Note:**

* Its a team project and all of us are working in a team.