







Week 11 Report

1. UI:

webContent

- css
 - bootstrap-responsive.css
 - bootstrap-responsive.min.css
 - bootstrap.css
 - bootstrap.min.css
- img
- js
 - bootstrap.js
 - bootstrap.min.js
 - jquery-1.10.2.min.js
- META-INF
- WEB-INF
 - rules.html

Add Actor

Actor Name	Max Number of Use Cases	Operations
test name	3	 
test1	123	 
test2	3	 

Must-have Associations

Add Association

Actor Name	Use Case Name	Operations
test name	test use case	 
test1	edit document	 

Must-have Inclusions/Extensions

Add Inclusion/Extension

Use Case 1	Relationship	Use Case 2	Operations
test name	includes	test name	 
edit document	includes	edit document	 

2. Create Database:

Table Name	Engine	Rows
actor	InnoDB	0
association	InnoDB	0
policy	InnoDB	0
project	InnoDB	0
usecase	InnoDB	0
usecaserelationship	InnoDB	0

3. Backend:

- Create Web dynamic Project and convert java application to servlet.
- Resolve several tough issue.
- Create JSON Parser.
- Create Several Objects to store the rules information.

4. Test Steps:

- a. Click rules.html
- b. Add Actor, Usecase, Must have Association, Must Include Association, Must Extend Association.
- c. Click Submit
- d. Check Monitor on the eclipse.
- e. Test JSON STRING:

```
{"actors":[{"name":"test1","maxUcNum":"123"}, {"name":"test2","maxUcNum":"3"}], "useCases":[{"name":"edit document","maxActNum":"3"}, {"name":"edit project","maxActNum":"3"}, {"name":"insert ticket","maxActNum":"3"}, {"name":"pay for the ticket","maxActNum":"3"}], "mustHaveAssociations":[{"actorName":"test1","useCaseName":"edit document"}], "mustNotHaveAssociations":[{"actorName":"test2","useCaseName":"edit document"}], "mustHaveInclusions":[{"fromUseCaseName":"edit document","toUseCaseName":"edit project"}], "mustHaveExtensions":[{"fromUseCaseName":
```

5. Test result:

```
JSON String:{"actors":[{"name":"test1","maxUcNum":"123"}, {"name":"test2","maxUcNum":"3"}], "useCases":[{"name":"edit document","maxActNum":"3"}, {"name":"edit proj  
actor name:test1 actor max number:123  
actor name:test2 actor max number:3  
usecaseName:edit document maxActorNum:3  
usecaseName:edit project maxActorNum:3  
usecaseName:insert ticket maxActorNum:3  
usecaseName:pay for the ticket maxActorNum:3  
must Have Association:test1 edit document  
must not have Association:test2 edit document  
must include:edit document  
must include:edit project  
must not include:insert ticket  
must not include:pay for the ticket  
must extend:insert ticket  
must extend:pay for the ticket  
must not extend From:edit document  
must not extend to:edit project
```