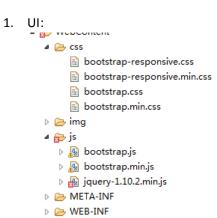
Week 11 Report



Add Actor

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

Must-have Associations

🔊 rules.html

Add Association			
Actor Name	Use Case Name	Operations	
test name	test use case	/ ii	
test1	edit document	/ ii	

Must-have Inclusions/Extensions

Add IIICIdsion/Extension				
Use Case 1	Relationship	Use Case 2	Operations	
test name	includes	test name	/ m	
edit document	Includes	edit project	≠	

2. Create Database:

able Name 🔺	Engine	Rows	
actor	InnoDB	0	
association	InnoDB	0	
policy	InnoDB	0	
project	InnoDB	0	
usecase	InnoDB	0	
usecaserelationship	InnoDB	0	

3. Backend:

- a. Create Web dynamic Project and convert java application to servlet.
- b. Resolve several tough issue.
- b. Create JSON Parser.
- c. 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"}],"us eCases":[{"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":"edit project"}]
```

5. Test result:

```
JSON String:{"actors":[{"name":"test1","maxUcNum":"123"},{"name":"test2","maxUcNum":"3"}],"useCases":[{"name":"edit document","maxActNum":"3"},{"name":"edit projector 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 usecaseName:pay for the 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 project must not include:insert ticket must not include:insert ticket must not include:pay for the ticket must extend:insert ticket must extend:insert ticket must extend:pay for the ticket must not extend From:edit document must not extend From:edit document must not extend From:edit document must not extend from:edit project
```