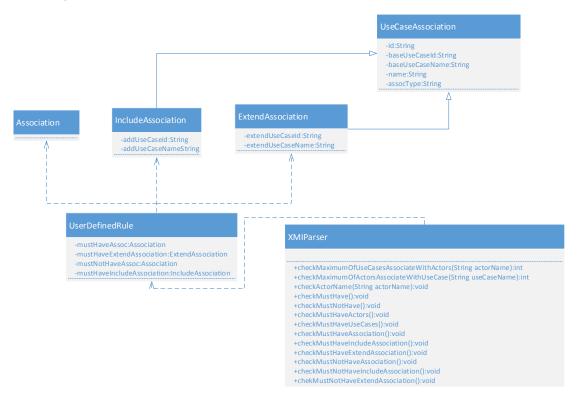
Implementation of Policy

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1. Implement the User-Defined Rules

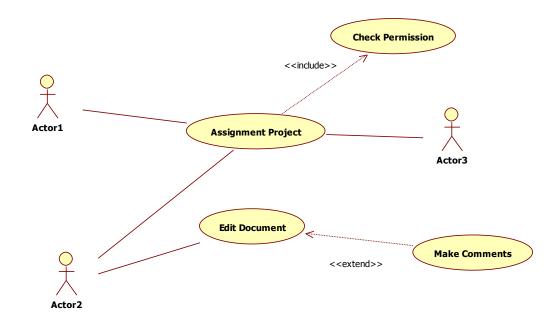
Class Diagram:



2. Function Explanation:

```
checkActorName():Check if the actor name is default name "actor".
checkMustHaveActors(): Check must have actors.
checkMustHaveUseCases(): Check must have use cases.
checkMustHaveAssociation(): check must have associations.
checkMustHaveIncludeAssociation(): check must have include associations.
checkMustHaveExtendAssociation(): Check must have extend associations.
checkMustNotHaveAssociation(): Check must not have associations.
checkMustNotHaveIncludeAssociation(): Check must not have include associations.
checkMustNotHaveExtendAssociation(): Check must not have extend associations.
checkMustNotHave(): Call all the must not have functions.
checkMustHave(): Call all the must have functions.
```

3. Test Case:



UMLActor.3 Actor1

UMLActor.4 Actor2

UMLActor.5 Actor3

UMLUseCase.7 Assignment Project

UMLUseCase.8 Document

UMLUseCase.21 CheckPermission

UMLUseCase.23 MakeComments
UMLUseCase.24 EditDocument

Association: UMLActor.3:Actor1------UMLAssociation.9------UMLUseCase.7:Project

Type:association

Association: UMLActor.4:Actor2------UMLAssociation.12------UMLUseCase.7:Project

Type:association

Association: UMLActor.5:Actor3------UMLAssociation.15------UMLUseCase.7:Project

Type:association

 $Association: \ UMLActor. 4: Actor 2------UMLAssociation. 18-------UMLU se Case. 8: Document the second se$

Type:association

ExtendId:UMLExtend.25 From:UMLUseCase.8:Document----->To:UMLUseCase.23:MakeComments

Type:extend

ExtendId:UMLExtend.26 From:UMLUseCase.8:Document----->To:UMLUseCase.24:EditDocument

Type:extend

IncludeId:UMLInclude.22 From:UMLUseCase.7:Project----->

To:UMLUseCase.21:CheckPermission Type:include

Must Have AND Must Not Have List:

Must have actor: Student

Must have use case: Add Course

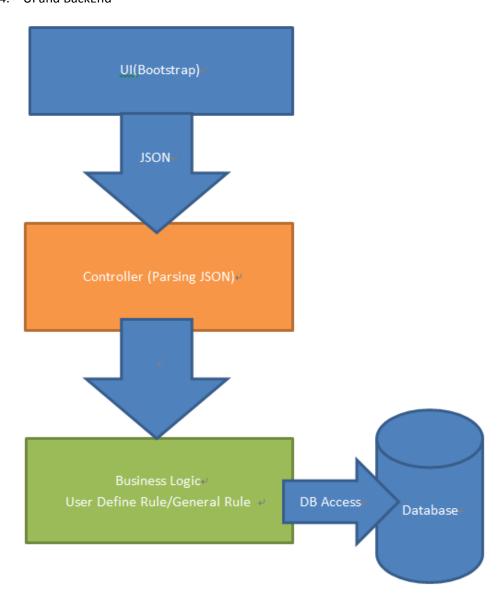
Must have relationship: Actor1 with Project

Must have include association: Check Permission with Project
Must have extend Association: Document with Make comments

Test Result:

Found Default actor name:Actor1Need to fix
Found Default actor name:Actor2Need to fix
Found Default actor name:Actor3Need to fix
Actor:"Student" Doesn't existNEED TO FIX
UseCase: "Add Course" Doesn't existNEED TO FIX
Can't find this include association:Actor2
Can't find this include associationNEED TO FIX
This is must not have association:Actor2associationProject
This is must not have association:Actor2associationProject

4. UI and BackEnd



5. User Interface

Technique: Bootstrap, Ajax, JQuery, JSON.

Actors

Add Actor

Actor Name	Max Number of Use Cases	Operations
test name	3	/ 章

Must-have Associations

Add Association

Actor Nam	e Use Case Name	Operations
test name	test use case	/ ii

Must-have Inclusions/Extensions

Add Inclusion/Extension

Use Case 1	Relationship	Use Case 2	Operations
test name	includes	test name	/ i i

Submit

Use Cases



Use Case Name	Max Number of Actors	Operations
test name	3	/ fi

Must-not-have Associations

Add Association

Actor Name	Use Case Name	Operations	
test name	Test use case	/ ii	

Must-not-have Inclusions/Extensions

Add Inclusion/Extension

Use Case 1	Relationship	Use Case 2	Operations
test name	includes	test name	/=

Cancel

