



# CS352 – Software Engineering II

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## Restful API

### 1-Login service

Service name	Login(check)		
Input type	POST		
Service URL	<a href="http://localhost:8080/check">http://localhost:8080/check</a>		
Parameters	NAME	Description	
	Email	User Email	
	Password	User password	
Example request	<a href="http://localhost:8080/check?email=m@gmail.com&amp;password=123">http://localhost:8080/check?email=m@gmail.com&amp;password=123</a>		
Example response	Valid account and return user page		

## 2-creat account

Service name	Create_Account		
Input type	POST		
Service URL	http://localhost:8080/signup?		
Parameters	NAME	Description	
	Name	User name	
	password	User password	
	Email	User email	
	User Type	Teacher or student	
	Gender	Male or female	
Example request	<a href="http://localhost:8080/singup?name=mohamed&amp;emali=m@gmail.com&amp;type=student&amp;password=111&amp;gender=male">http://localhost:8080/singup?name=mohamed&amp;emali=m@gmail.com&amp;type=student&amp;password=111&amp;gender=male</a>		
Example response	User page and valid account message		

## 3-Show Course Games

Service name	Show Games		
Input type	GET		
Service URL	http://localhost:8080/showGames		
Parameters	NAME	Description	
	Course_NAME	Course name to show its games	
Example request	<a href="http://localhost:8080/showGames?CourseName=math">http://localhost:8080/showGames?CourseName=math</a>		
Example response	Games:[{ Gname:"Addition"},{Course="coding"}]		

#### 4-Show Courses

Service name	Courses		
Input type	GET		
Service URL	http://localhost:8080/courses?		
Parameters	NAME	Description	
	Course_NAME	Course name to be show	
Example request	http://localhost:8080/courses?coursename=		
Example response	Courses:[{coursename="Math"},{coursename="English"}]		

#### 5-Add Game

Service name	Add Game
Input	GET

type			
Service URL	http://localhost:8080/AddGame?		
Parameters	NAME	Description	
	Game Name	Added Game name	
	Course Name	Course Name to add the game to it	
	Question	Game questions	
	Answer	Question answer	
	A	First choice	
	B	Second choice	
	C	Third choice	
	D	Fourth choice	
Example request	http://localhost:8080/AddGame?GName=C%2B%2B&CName=programming&AddGame=AddGame		
Example response	Game added successfully and return to teacher page and save game to database		

## 6-Play Game

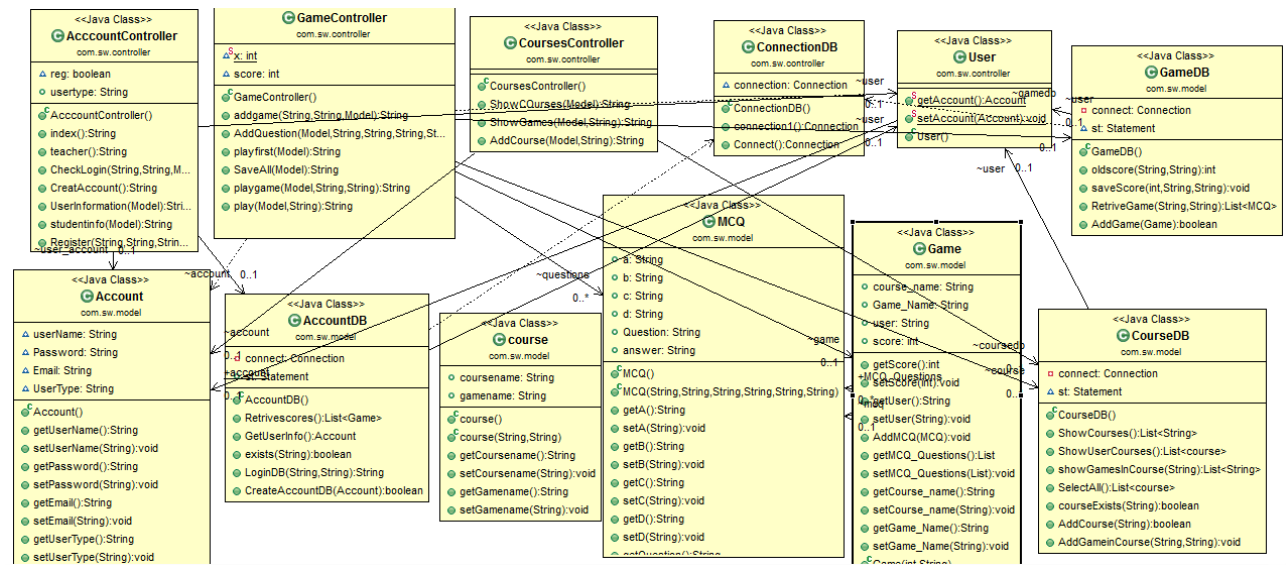
<b>Service name</b>	<b>Play Game</b>		
<b>Input type</b>	<b>GET</b>		
<b>Service URL</b>	<a href="http://localhost:8080/playgame?">http://localhost:8080/playgame?</a>		
<b>Paramet</b>	<b>NAME</b>	<b>Description</b>	

ers	Course NAME	Course name of the game	
	Game Name	Game name to play it	
Example request	http://localhost:8080/playgame?GName=C++&CName=p rogramming		
Example response	Questions:[{"int x=0,x++;"},"A","1","2","3","4"},.....]		

## 7-creat course

Service name	Create Course		
Input type	GET		
Service URL	http://localhost:8080/AddCourse?		
Parameters	NAME	Description	
	Course name	Course name to be added and its information	
Example request	http://localhost:8080/AddCourse?CourseName=Educational		
Example response	{ "Course added sussesfully" }		

## Class diagram design



## Trello workspace screenshot

