Cairo University Faculty of Computers and Information



**CS352 – Software Engineering II**

**Phase 2 Template**

**2017**

**Project Team**

|  |  |  |  |
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Title page has no header or footer.

Docs must be supplied as pdf –files re-named as requested

Contents

[Instructions [To be removed] 3](#_Toc414459277)

[Your Restful API 3](#_Toc414459278)

[Class diagram design 4](#_Toc414459279)

[Daily scrum Meetings 5](#_Toc414459280)

[Trello workspace screenshot 5](#_Toc414459281)

[Github repository link 6](#_Toc414459282)

# Restful API

1-Login service

|  |  |  |
| --- | --- | --- |
| **Service name** | | **Login(check)** |
| **Input type** | **POST** |
| **Service URL** | **http://localhost:8080/check** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **Email** | **User Email** | | **Password** | **User password** | |
| **Example request** | [**http://localhost:8080/check?email=m@gmail.com&passord=123**](http://localhost:8080/check?email=m@gmail.com&passord=123) |
| **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** | [**http://localhost:8080/singup?name=mohamed&emali=m@gmail.com&type=student&password=111&gender=male**](http://localhost:8080/singup?name=mohamed&emali=m@gmail.com&type=student&password=111&gender=male) |
| **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** | [**http://localhost:8080/showGames?CourseName=math**](http://localhost:8080/showGames?CourseName=math) |
| **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 type** | **GET** |
| **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**

|  |  |
| --- | --- |
| **Service name** | **Play Game** |
| **Input type** | **GET** |
| **Service URL** | **http://localhost:8080/playgame?** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **Course NAME** | **Course name of the game** | | **Game Name** | **Game name to play it** | |
| **Example request** | **http://localhost:8080/playgame?GName=C++&CName=programming** |
| **Example response** | **Questions:[{"int x=0,x++;"},"A","1","2","3","4"},……]** |

**7-creat course**

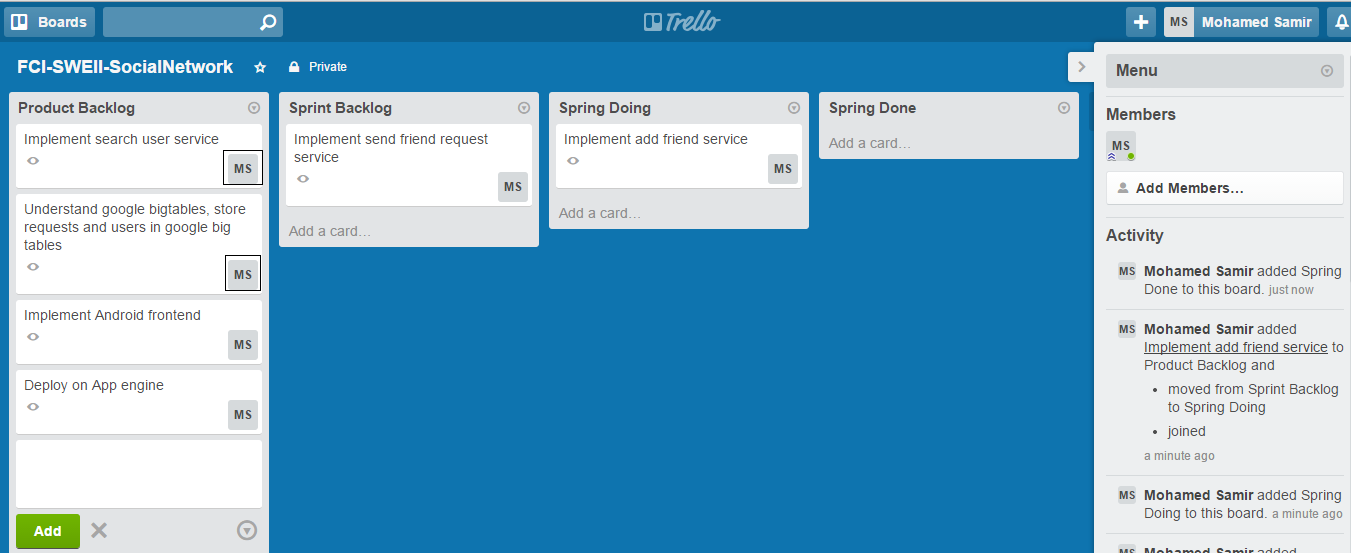
|  |  |
| --- | --- |
| **Service name** | **Create Course** |
| **Input type** | **GET** |
| **Service URL** | **http://localhost:8080/AddCourse?** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **Course name** | **Course name to be added and its information** | |
| **Example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

# Class diagram design

# D:\project\finalclass.PNGTrello workspace screenshot

* **Provide screen shot for your trello workspace**
* **Your screenshot should show product backlog (current requirements) and role of each members**

**Example:**

****

**Note black boxes which state who is responsible for each requirement**

# Github repository link

* **URL for your repository, should contains implemented services**,
* ***Your implementation should follow coding style (java style) you should also provide documentation for each class in your project***