**Cairo University Faculty of Computers and Information**



**CS352 – Software Engineering II**

**Phase 2 Template**

**2017**

**Project Team**

|  |  |  |  |
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# Restful API

**loginUser (Service)**

|  |  |
| --- | --- |
| **Service name** | **loginUser (Service)** |
| **Input type** | **POST** |
| **Service URL** | **http://localhost:8080/api/login/** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **email** | **Provided user email** | | **Password** | **Provided user password** | |
| **Example request** | **POST**  [**http://localhost:8080/api/login/**](http://localhost:8080/api/login/)  **Body : { “email”: “**[**abeer.ah12.7@gamil.com**](mailto:mhmeeaad@gamil.com)**” , “pw”: “123456789”}** |
| **Example response** | **{"Status":"OK",\_body:{“id”:”1”,"email":"**[**abeer.ah12.7@gamil.com**](mailto:mhmeeaad@gamil.com)**","name":"Abeer","password":"123456789" , “type”:”Teacher”}}** |

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**CreateUser (Service)**

|  |  |
| --- | --- |
| **Service name** | **CreateUser (Service)** |
| **Input type** | **POST** |
| **Service URL** | **http://localhost:8080/api/create/user** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **name** | **Provided user email** | | **email** | **Provided user email** | | **Password** | **Provided user password** | | **Type** | **Teacher or Student** | |
| **Example request** | **POST**  [**http://localhost:8080/api/login/**](http://localhost:8080/api/login/)  **Body : {“name”:”Abeer”, “email”: “**[**abeer.ah12.7@gamil.com**](mailto:mhmeeaad@gamil.com)**” , “pw”: “123456789” , “type”:”Teacher”}** |
| **Example response** | **{"Status":"OK",\_body:{“id”:”1”,"email":"**[**abeer.ah12.7@gamil.com**](mailto:mhmeeaad@gamil.com)**","name":"Abeer","password":"123456789" , “type”:”Teacher”}}** |

**CreateGame (Service)**

|  |  |
| --- | --- |
| **Service name** | **CreateGame (Service)** |
| **Input type** | **POST** |
| **Service URL** | **http://localhost:8080/api/create/user** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **name** | **Provided game name** | | **courseId** | **Provided the parent course** | | **Category** | **Provided game Category ( Math , Programming ..etc)** | |
| **Example request** | **POST**  [**http://localhost:8080/api/login/**](http://localhost:8080/api/login/)  **Body : {“name”:”game1”, “courseId”: “2” , “catgory”: “Math” }** |
| **Example response** | **{"Status":"OK",\_body:{“id”:”1”,“name”:”game1”, “courseId”: “2” , “catgory”: “Math”}** |

**addQ (Service)**

|  |  |
| --- | --- |
| **Service name** | **addQ (Service)** |
| **Input type** | **POST** |
| **Service URL** | **http://localhost:8080/api/create/user** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **q** | **Provided the question** | | **a** | **Provided available answers** | | **ra** | **Provided the right answer** | | **gameId** | **Provided the parent game** | |
| **Example request** | **POST**  [**http://localhost:8080/api/login/**](http://localhost:8080/api/login/)  **Body : {“q”:”how are you ?”, “a”: [“OK”,”fine”] , “ra”: “fine” , “gameId”: 1 }** |
| **Example response** | **{"Status":"OK"}** |

**getGames (Service)**

|  |  |
| --- | --- |
| **Service name** | **GetAllGames(Service)** |
| **Input type** | **GET** |
| **Service URL** | **http://localhost:8080/api/games/** |
| **Parameters** |  |
| **Example request** | **GET**  [**http://localhost:8080/api/games/**](http://localhost:8080/api/login/) |
| **Example response** | **{"Status":"OK",\_body:{“id”:”1”,“name”:”game1”, “courseId”: “2” , “category”: “Math”}** |

**getQ (Service)**

|  |  |
| --- | --- |
| **Service name** | **getQ (Service)** |
| **Input type** | **GET** |
| **Service URL** | **http://localhost:8080/api/q/id** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **id** | **Provided parent game id** | |
| **Example request** | **GET**  [**http://localhost:8080/api/q/**](http://localhost:8080/api/login/)**1** |
| **Example response** | **{"Status":"OK",\_body:[{“q”:”how are you ?”, “a”: [“OK”,”fine”] , “ra”: “fine” , “gameId”: 1} , “q”:”are you OK ?”, “a”: [“OK”,”fine”] , “ra”: “OK” , “gameId”: 1 ] }** |

**getCourses (Service)**

|  |  |
| --- | --- |
| **Service name** | **GetCourses(Service)** |
| **Input type** | **GET** |
| **Service URL** | **http://localhost:8080/api/courses/** |
| **Parameters** |  |
| **Example request** | **GET**  [**http://localhost:8080/api/login/**](http://localhost:8080/api/login/) |
| **Example response** | **{"Status":"OK",\_body:[{“id”:”1”,“name”:”c1”} ,{“id”:”2”,“name”:”c2”}] }** |

**getCourseByTeacher (Service)**

|  |  |
| --- | --- |
| **Service name** | **getCourseByTeacher (Service)** |
| **Input type** | **GET** |
| **Service URL** | **http://localhost:8080/api/courses/id** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **id** | **Provided the id of a teacher** | |
| **Example request** | **GET**  [**http://localhost:8080/api/lo**](http://localhost:8080/api/login/)**gin/id** |
| **Example response** | **{"Status":"OK",\_body:[{“id”:”1”,“name”:”c1” , “TeacherId”:1} ,{“id”:”2”,“name”:”c2”,“TeacherId”:1}] }** |

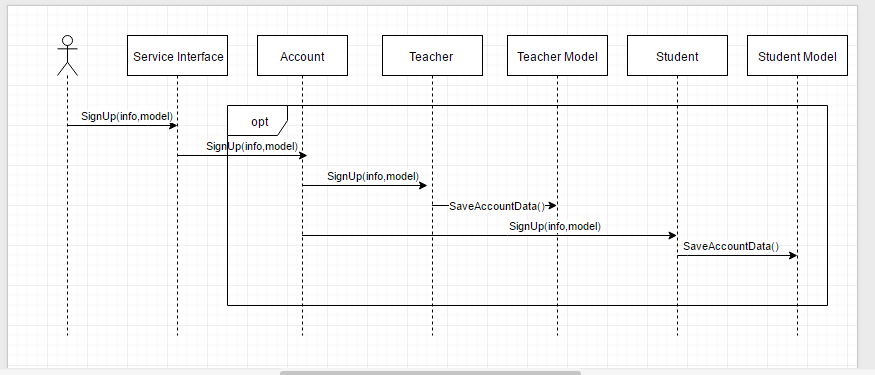
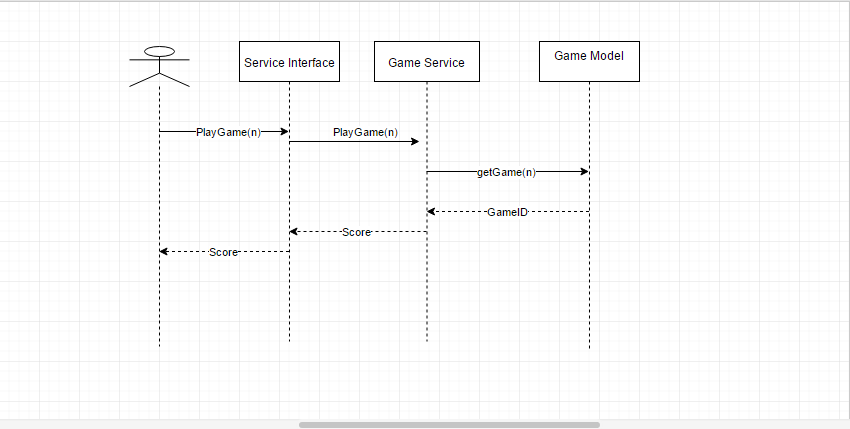
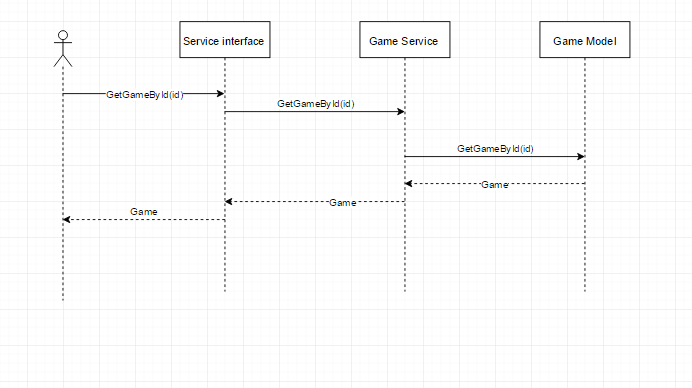
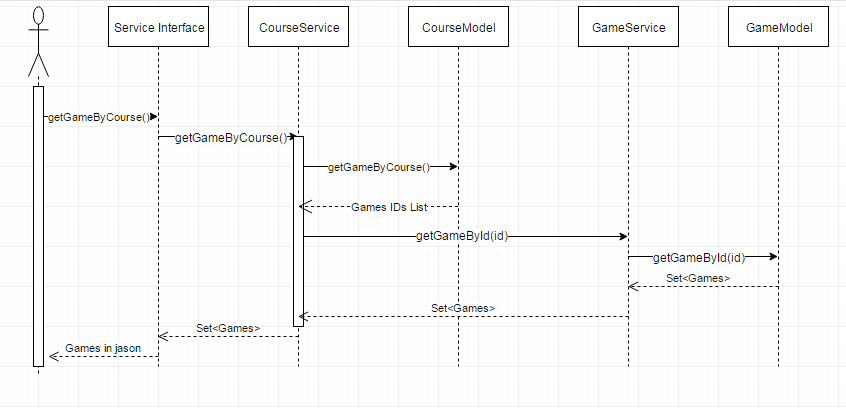
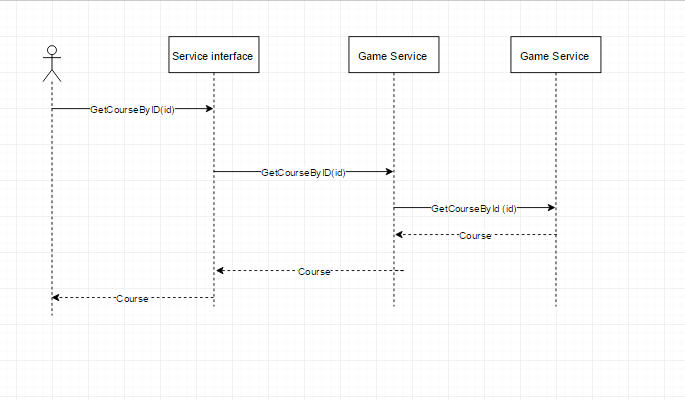
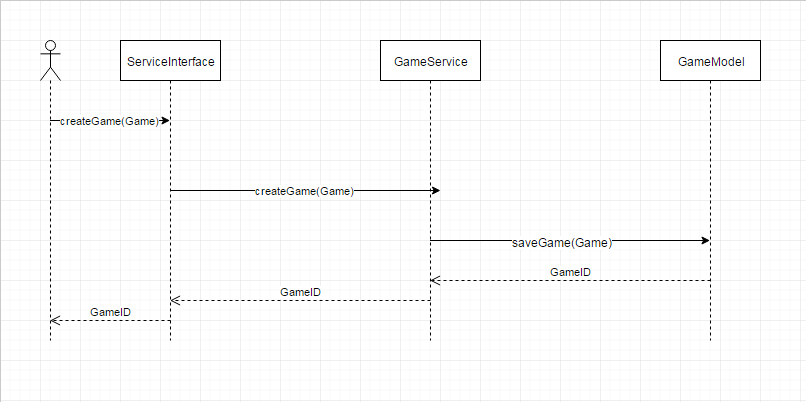
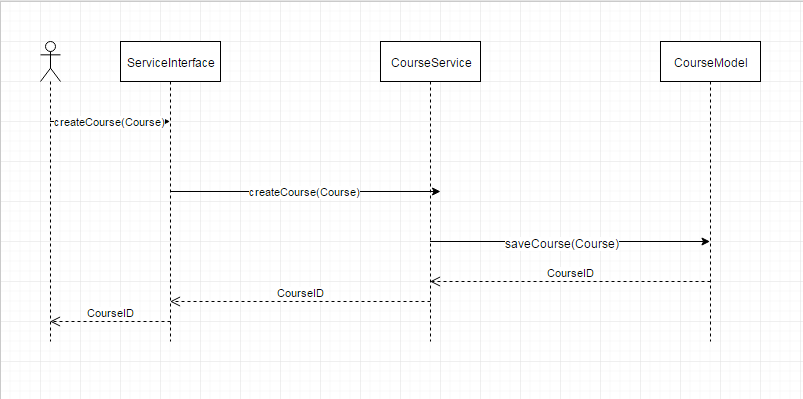
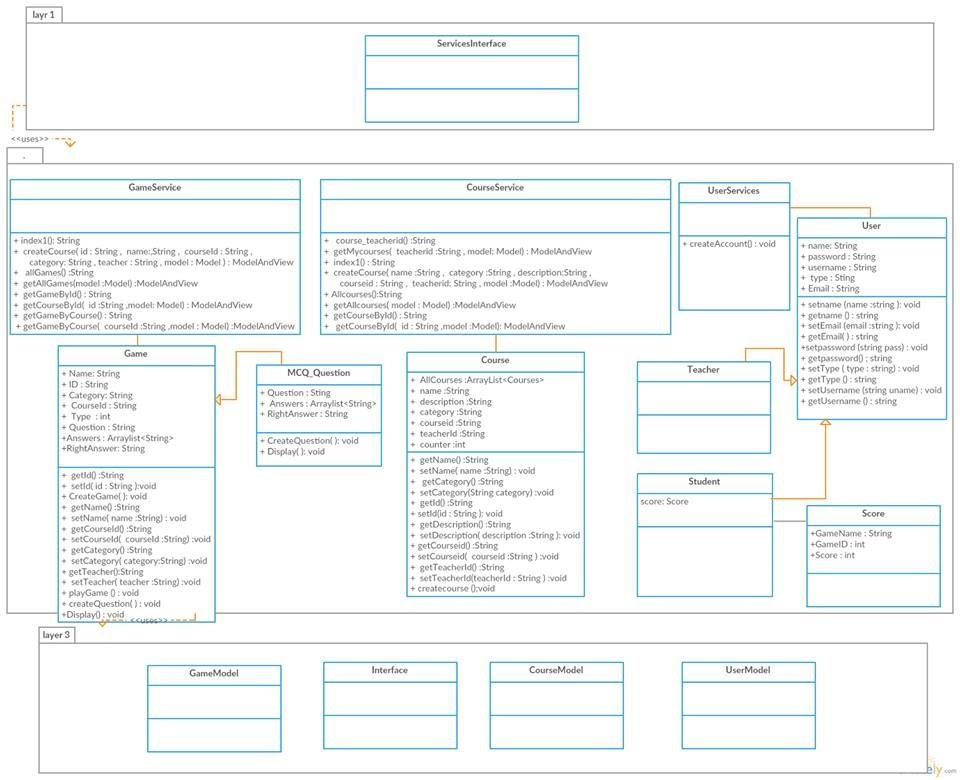
**addScore (Service)**

|  |  |
| --- | --- |
| **Service name** | **addScore (Service)** |
| **Input type** | **POST** |
| **Service URL** | **http://localhost:8080/api/add/score** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **game** | **Provided**  **game name** | | **score** | **Provided score** | | **studentId** | **Provided student id** | |
| **Example request** | **POST**  [**http://localhost:8080/api/login/**](http://localhost:8080/api/login/)  **Body : {“game”:”game1”, “score”:”2/3”, “studentId”: 1 }** |
| **Example response** | **{"Status":"OK"}** |

**getMyScores (Service)**

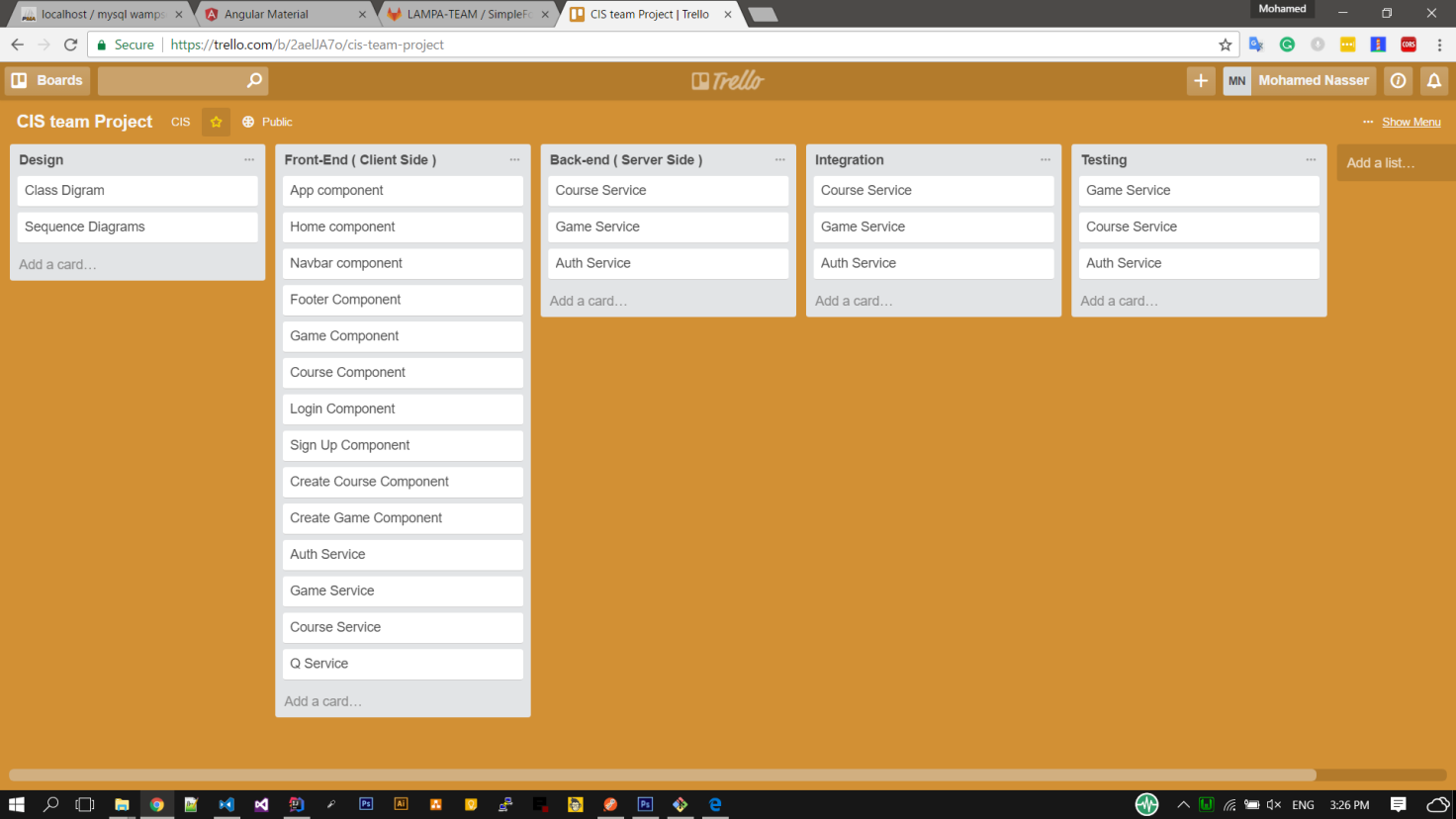
|  |  |
| --- | --- |
| **Service name** | **getMyScores (Service)** |
| **Input type** | **GET** |
| **Service URL** | **http://localhost:8080/api/myscores/id** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **id** | **Provided student id** | |
| **Example request** | **GET**  [**http://localhost:8080/api/**](http://localhost:8080/api/login/)**myscores/id** |
| **Example response** | **{"Status":"OK",\_body:[{“game”:”game1”,“s”:”1/2”} ,{“game”:”game2”,“s”:”2/2”}] }** |

# Class Diagram & Sequence Diagrams:



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# Trello workspace screenshot



# Github repository link

[***https://github.com/mhmeeaad/SW2-CIS-team/***](https://github.com/mhmeeaad/SW2-CIS-team/)