**Cairo University Faculty of Computers and Information**



**CS352 – Software Engineering II**

**Phase 2-a Template**

**2015**

**Project Team**

|  |  |  |  |
| --- | --- | --- | --- |
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|  | 1st name is team leader |  |  |
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Docs must be supplied as pdf –files re-named as requested

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# Instructions [To be removed]

* **IMPORTANT. Rename this document to CS352-LeaderID-TANAME-Phase2-a.docx**

**[Write TA name in your document name]**

**Examples:**

**CS352-20120001-MohamedSamir-Phase2-a.docx**

**CS352-20120001-YomnaMagdy-Phase2-a.docx**

**CS352-20120001-DesokyAbdElqawy-Phase2-a.docx**

**CS352-20120001-OmarKhaled-Phase2-a.docx**

**CS352-20120001-AhmedMohamed-Phase2-a.docx**

**CS352-20120001-AyatKhairy-Phase2-a.docx**

* **Remove the following notes and any red notes**

# Your Restful API

* **Your restful API should provide read and write to your social network data**
* **In this section you should describe each service in your RESTful API**
* **For each service you list service Name input type (GET or POST), Service URL, parameters and description for each parameter, Example request, Example response**
* **For example: check description of one service from twitter Rest API here**

[**https://dev.twitter.com/rest/reference/get/statuses/mentions\_timeline**](https://dev.twitter.com/rest/reference/get/statuses/mentions_timeline)

* **Use the following table to describe each service**

|  |  |
| --- | --- |
| **Service name** | **registrationService** |
| **Input type** | **POST** |
| **Service URL** | **http://socialnetwork-fci.appspot.com/rest/RegistrationService** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **uname** | **provided username** | | **email** | **provided user email** | | **password** | **provided password** | |
| **Example request** | **http://socialnetwork-fci.appspot.com/rest/RegistrationService?uname=** **MohamedSamir3&email=m.samir@fci-cu.edu.eg&password=123456789** |
| **Example response** | **{"id":2,"Status":"OK"}** |

|  |  |
| --- | --- |
| **Service name** | **LoginService** |
| **Input type** | **POST** |
| **Service URL** | **http://socialnetwork-fci.appspot.com/rest/LoginService** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **uname** | **Provided user name** | | **Password** | **Provided user password** | |
| **Example request** | **POST**  **http://socialnetwork-fci.appspot.com/rest/LoginService?uname=** **MohamedSamir3&password=123456789** |
| **Example response** | **{"id":1,"Status":"OK","email":"mohamed","name":"MohamedSamir3","password":"123456789"}** |

|  |  |
| --- | --- |
| **Service name** | **addFriendService** |
| **Input type** | **POST** |
| **Service URL** | **http://socialnetwork-fci.appspot.com/rest/sendFriendRequestService** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **uname** | **Friend's username** | | **currentUser** | **current user in the system** | |
| **Example request** | **http://socialnetwork-fci.appspot.com/rest/sendFriendRequestService?uname=ziadMohamed&currentUser=MohamedSamir3** |
| **Example response** | **{"id":1,"Status":"Exists"}** |

|  |  |
| --- | --- |
| **Service name** | **acceptFriendService** |
| **Input type** | **POST** |
| **Service URL** | **http://socialnetwork-fci.appspot.com/rest/acceptFriendRequestService** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **uname** | **Friend's username** | | **currentUser** | **current user in the system** | |
| **Example request** | **http://socialnetwork-fci.appspot.com/rest/acceptFriendRequestService?uname=MohamedSamir3&currentUser=ziadMohamed** |
| **Example response** | **{"id":3,"Status":"OK"}** |

|  |  |
| --- | --- |
| **Service name** | **getAllNotificationsService** |
| **Input type** | **POST** |
| **Service URL** | **http://socialnetwork-fci.appspot.com/rest/getAllNotificationsService** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **uname** | **username of the current user** | |
| **Example request** | **http://socialnetwork-fci.appspot.com/rest/getAllNotificationsService?uname=MohamedSamir3** |
| **Example response** | **{"Notifications": "{{"ID":3,"username":"Ziad","type":"1","NotificationID":"4"} , {"ID":5,"username":"Heba","type":"2","NotificationID":"7"} }" }** |

|  |  |
| --- | --- |
| **Service name** | **SendPersonalMessageService** |
| **Input type** | **POST** |
| **Service URL** | **http://socialnetwork-fci.appspot.com/rest/SendPersonalMessageService** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **sender** | **Message sender’s username** | | **receiver** | **Message receiver’s username** | | **Content** | **Message content** | |
| **Example request** | **http://socialnetwork-fci.appspot.com/rest/SendPersonalMessageService?sender=MohamedSamir3&reciever=ziadMohamed&content=Hi%20Ziad,%20what’s%20up?** |
| **Example response** | **{"id":1,"Status":"OK"}** |

|  |  |
| --- | --- |
| **Service name** | **SendGroupMessageService** |
| **Input type** | **POST** |
| **Service URL** | **http://socialnetwork-fci.appspot.com/rest/SendGroupMessageService** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **sender** | **Message sender’s username** | | **GroupName** | **The group chat name that the user is currently in** | | **Content** | **Message content** | |
| **Example request** | **http://socialnetwork-fci.appspot.com/rest/SendGroupMessageService?sender=MohamedSamir3&reciever=SWE\_TAs&content=Hi%20guys** |
| **Example response** | **{"id":4,"Status":"OK"}** |

|  |  |
| --- | --- |
| **Service name** | **CreateNewGroupMsg** |
| **Input type** | **POST** |
| **Service URL** | **http://socialnetwork-fci.appspot.com/rest/CreateNewGroupMsg** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **GroupName** | **The group chat name that will be created** | | **members** | **list of usernames that will be in the group** | |
| **Example request** | **http://socialnetwork-fci.appspot.com/rest/CreateNewGroupMsg?GroupName=SWE-TAs&members=MohamedSamir3** |
| **Example response** | **{"id":4,"Status":"Exists"}** |

# Class diagram design

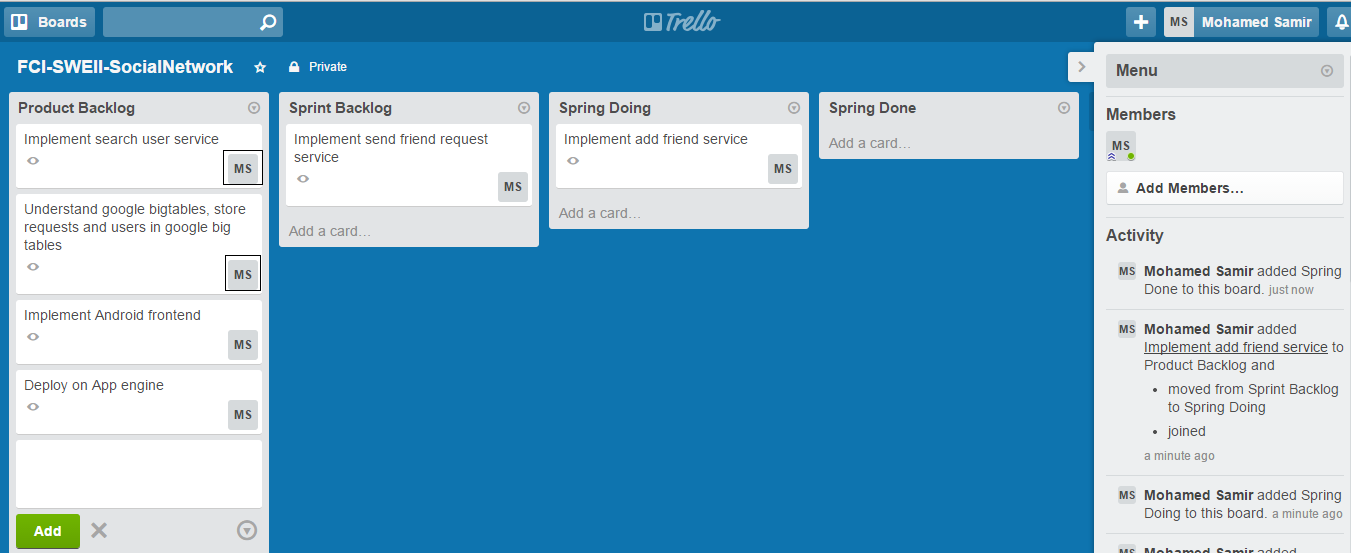
* **You should provide clean version for your class diagram design.**
* **Class diagram is a static diagram and should not represent any dynamic flow of events.**
* **Put Relationships between classes and the types of the relationships.**
* **Put multiplicity.**
* **Put relationship name (e.g. faculty "offer" course).**
* **Put attributes in the classes.**
* **Put functions & Put parameters.**
* **Put data types of each attributes and the parameters.**
* **Highly perfered: Each class has a corresponding interface**
  + **Let all objects parameters and returns be of interface type.**
* **See Shopping Cart Case Study**



# Trello 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**, ***and your frontend implementation***
* ***If you are using Android frontend, commit your project in separate repository, put repository link here also***
* ***Your implementation should follow coding style (java style) you should also provide documentation for each class in your project***