Cairo University Faculty of Computers and Information



**CS352 – Software Engineering II**

**Phase 3 Template**

**2017**

**Project Team**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Name** | **Email** | **Mobile** |
|  | 1st name is team leader |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**[Write here your TA name only in your lab]**

Title page has no header or footer.

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-SE2016-LeaderID-TANAME-Phase3.docx**

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

**Examples:**

**CS352-20120001-MohamedSamir-Phase3.docx**

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

# Your Restful API (In case of you choose SOA )

* **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** | **SERVICE NAME** |
| **Input type** | **GET or POST** |
| **Service URL** | **URL** |
| **Parameters** | |  |  | | --- | --- | | **NAME** | **Description** | | **PARAMETER\_NAME** | **PARAMETER\_DESC** | |
| **Example request** |  |
| **Example response** |  |

**Example:**

**LoginService**

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

# 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**



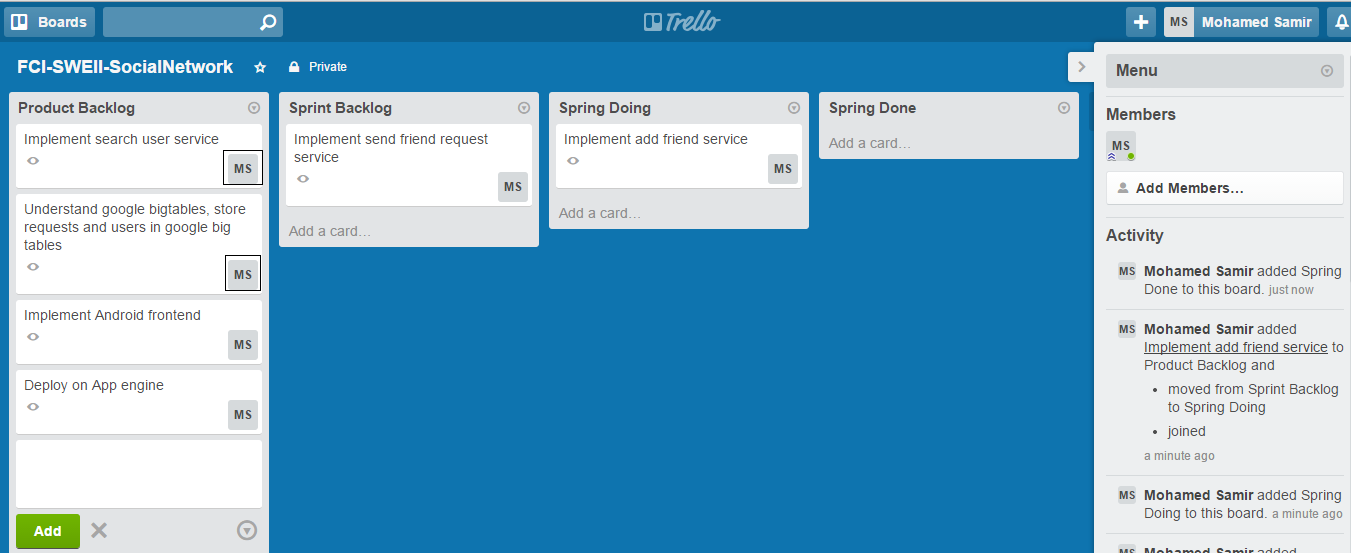
# Used Design patterns

List any design patterns you used and briefly explain the reason behind using this design pattern.

# 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**,
* ***Your implementation should follow coding style (java style) you should also provide documentation for each class in your project***