Homework 5

The following are the corporate features implemented by team 2 for project Trello:

1. Sign-up with the email ID only.
2. Full access to the registered corporate user.
3. Implementation of admin role to Trello.

Corporate features discussed in detail:

1. Sign up feature of Trello is implemented considering the valid structure of email ID. The valid email ID contains "@" and "." and the validation of email ID is done using pattern and matcher classes of Java.
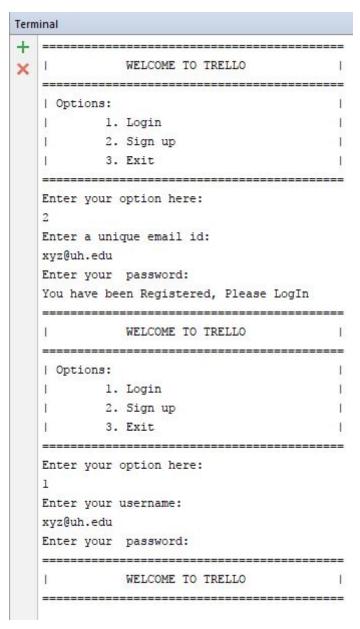

Fig1.a: Sign-up & Login

```
Terminal
+   ================================================
×   |              WELCOME TO TRELLO                |
    ================================================
    | Options:                                      |
    |         1. Login                              |
    |         2. Sign up                            |
    |         3. Exit                               |
    ================================================
    Enter your option here:
    2
    Enter a unique email id:
    test.com
    Invalid Email ID
```

Fig1.b: Sign-up & Login

```
================================================
|              WELCOME TO TRELLO                |
================================================
| Options:                                      |
|         1. Login                              |
|         2. Sign up                            |
|         3. Exit                               |
================================================
Enter your option here:
1
Enter your username:
xyz@hu.edu
Enter your  password:
Incorrect username and password!! Please try again
================================================
|              WELCOME TO TRELLO                |
================================================
| Options:                                      |
|         1. Login                              |
|         2. Sign up                            |
|         3. Exit                               |
================================================
Enter your option here:
```

Fig1.c: Sign-up & Login

2. Only the corporate users can create a team in Trello, Other non-corporate users can be added to a team only by the corporate users. In our project, we have considered only ".edu", "dell.com" and "Amazon.com" as corporate users and the full functionality is given to them. That means if you sign up with an email ID which contains .edu or Dell.com or amazon.com then you are a registered corporate user and full functionality is available. If you are signing up with any other email ID then you will have limited feature of Trello i.e. You can create board but you cannot create your own team.

```
Terminal
+   =============================================
×   |              WELCOME TO TRELLO             |
    =============================================
    | Options:                                   |
    |          1. Login                          |
    |          2. Sign up                        |
    |          3. Exit                           |
    =============================================
    Enter your option here:
    1
    Enter your username:
    abc@dummy.com
    Enter your  password:
    =============================================
    |              WELCOME TO TRELLO             |
    =============================================
    | Options:                                   |
    |          1. Create Board                   |
    |          2. Create a new Team              |
    |          3. Display Board                  |
    |          4. Display Team                   |
    |          5. Edit a Team                    |
    |          6. Close a Board                  |
    |          7. Exit                           |
    =============================================
    Enter your option here:
    2
    You are not allowed to create a team.
    =============================================
    |              WELCOME TO TRELLO             |
```

Fig2.a: Example to highlight difference between corporate and noncorporate

3. If you create your own team you are admin of that team and you have rights such as editing the profile of the team and add/remove members from the team. If you are a noncorporate user then you don't have these admin rights.

```
Terminal
+  ===========================================
x  | Options:                                |
   |        1. Login                         |
   |        2. Sign up                       |
   |        3. Exit                          |
   ===========================================
   Enter your option here:
   1
   Enter your username:
   abc@dummy.com
   Enter your  password:
   ===========================================
   |           WELCOME TO TRELLO             |
   ===========================================
   | Options:                                |
   |        1. Create Board                  |
   |        2. Create a new Team             |
   |        3. Display Board                 |
   |        4. Display Team                  |
   |        5. Edit a Team                   |
   |        6. Close a Board                 |
   |        7. Exit                          |
   ===========================================
```

```
Terminal
+  |        4. Display Team                  |
x  |        5. Edit a Team                   |
   |        6. Close a Board                 |
   |        7. Exit                          |
   ===========================================
   Enter your option here:
   4
   1)Sample Team
   Select a team for details:
   1
   Name: Sample Team Admin: hs@dell.com
   Website: www.sampleteam.com
   Description: Sample Team
   Members:
   abc@dummy.com
   hs@dell.com
   ===========================================
   |           WELCOME TO TRELLO             |
   ===========================================
   | Options:                                |
   |        1. Create Board                  |
   |        2. Create a new Team             |
   |        3. Display Board                 |
   |        4. Display Team                  |
   |        5. Edit a Team                   |
   |        6. Close a Board                 |
   |        7. Exit                          |
   ===========================================
   Enter your option here:
   5
```
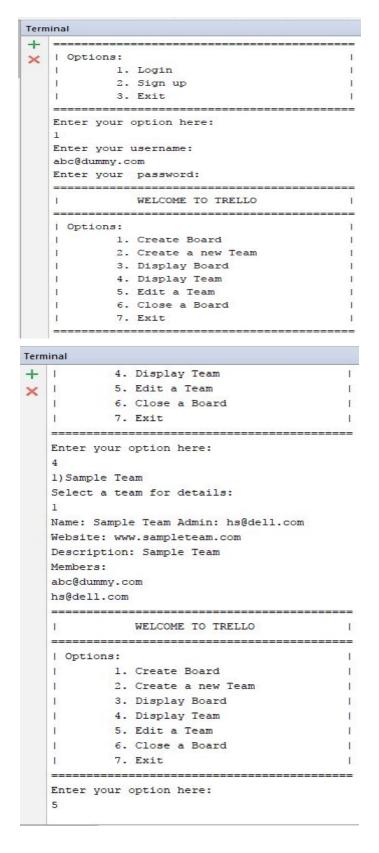
Fig3.a: Example to demonstrate the admin role