IT314 Software Engineering

Project Management Document

Title: _Academics Management System_

Group 43

Team members:

201901060 - Drashti Koladiya
201901226 - Akshat Vora
201901272 - Akshita Jindal
201901278 - Saharsh Yashasvi
201901421 - Rinkal Naik
201901466 - Miti Purohit

Reporting TA: Kalgi Gandhi

Date: 01-04-2022

1. Activity list

This week, our main task was to come up with the code for the signup-login page and user authentication. It took us four days to build the above functionalities. After the completion of the above task, we started with the testing of the signup/login page and user authentication. We did some research about the possible test cases and ran those test cases through our code to see if it produces the desired outcome. Finally, we worked out the documentation for the initial development of our project.

(a) Formulation of the problem
   - 19th march - 22nd march [2 hour]
(b) Designing a solution, documentation
   - 21st march - 1st march [9 hour]
(c) Relevant learning
   - 22nd march - 27th march [2 hour]
(d) Coding and unit testing
   - 27th march - 30st march [5 hour]
(e) Testing
   - 30th march - 31st march [4 hour]

2. Project plan

1. Coding for attendance tracker and grading functionality
   - Estimated start date: 2nd April
   - End date : 12nd April
   - Responsible Persons: Akshita, Miti, Rinkal

2. Testing for attendance tracker and grading functionality
   - Estimated start date: 12nd April
   - End date: 14th April
   - Responsible Persons: Drashti, Akshat, Miti

3. Documentation
   - Estimated start date: 14th April
   - End date: 15th April
   - Responsible Persons: Akshita , Akshat, Saharsh

3. Testing

Test ID	Description	Test Cases	Expected Result	Status
1	To create a new account, one has to fill out all the required fields.	1. Leave out bio while filling in user details 2. Leave out DOB while filling in user details	1. User should be created since bio is not a required field. 2. User should be prompted to fill in the DOB field, since it is required.	1. Pass 2. Pass
2	Password should satisfy all the password constraints before being accepted. Password and confirm password field should have the exact same text.	1. Password of length less that 8 digits 2. Password with no numeric digits 3. Different values in password and confirm password fields	1. User should not be created. Error that the password should satisfy all the constraints. 2. User should not be created. Error that the password should satisfy all the constraints. 3. User should not be created. Error that the passwords entered do not match.	1. Pass 2. Pass 3. Pass
3	No 2 users should have the same username. However, a user with the same email can create 2 accounts having different usernames.	1. Enter user details such that the entered username has already been used. 2. Enter user details such that the username entered is new, but the email id has been	1. User should now be created. Error that the entered username has already been taken. 2. User should be created because one user can create multiple account with the same email and different usernames.	1. Pass 2. Pass

		used before.		
4	Login using valid and invalid user credentials.	1. Try logging in using valid user credentials. 2. Try logging in using invalid user credentials.	1. User should be logged in and be redirected to the home page. 2. User should not be logged. An error should be displayed saying 'invalid username or password'.	1. Pass 2. Pass
5	User should be able to add a profile pictured.	Go to the edit profile page and try adding a profile picture.	Picture should be added.	Pass
6	User should be able to edit user details like DOB, name, Bio, Profile pic, etc. User should not be able to edit user details like username or email.	Go to the edit profile page and try editing the fields.	The edit should be visible on the profile page if the details entered were valid. Otherwise, the user should receive an error that invalid details has been entered and no change should be made.	Pass

Testing Schedule:

Test ID	Description	Test Cases	Expected Result	Responsible person
1

29th March | To create a new account, one has to fill out all the required fields. | 3. Leave out bio while filling in user details 4. Leave out DOB while filling in user details | 3. User should be created since bio is not a required field. 4. User should be prompted to fill in the DOB field, since it is required. | Saharsh |
| 2

29th March | Passwords should satisfy all the password constraints before being | 4. Password of length less that 8 digits 5. Password with no | 4. User should not be created. Error that the password should satisfy all the | Rinkal |

	accepted. Password and confirm password field should have the exact same text.	numeric digits 6. Different values in password and confirm password fields	constraints. 5. Users should not be created. Error that the password should satisfy all the constraints. 6. Users should not be created. Error that the passwords entered do not match.	
3 31st March	No 2 users should have the same username. However, a user with the same email can create 2 accounts having different usernames.	3. Enter user details such that the entered username has already been used. 4. Enter user details such that the username entered is new, but the email id has been used before.	3. Users should now be created. Error that the entered username has already been taken. 4. Users should be created because one user can create multiple accounts with the same email and different usernames.	Akshita
4 31st March	Login using valid and invalid user credentials.	3. Try logging in using valid user credentials. 4. Try logging in using invalid user credentials.	3. Users should be logged in and be redirected to the home page. 4. Users should not be logged in. An error should be displayed saying 'invalid username or password'.	Drashti
5 31st March	Users should be able to add a profile picture.	Go to the edit profile page and try adding a profile picture.	Pictures should be added.	Akshat
6	Users should be able to edit user	Go to the edit profile page and try editing	The edit should be visible on the profile	Miti

| 31st March | details like DOB, name, Bio, Profile pic, etc. Users should not be able to edit user details like username or email. | the fields. | page if the details entered were valid. Otherwise, the user should receive an error that invalid details have been entered and no change should be made. | |