1. **Visitor can register to the system.**
2. The system shall provide UI for the visitor to receive first name, last name, description, company, position, email, password, profile image, signature image, start date, and role of user.
3. The system shall validate first name, last name, description, company, position, email, password, start date, and role of user.
4. The system shall display an error message “The email has already been taken”.
5. The system shall display an error message “The email must be a valid email address”.
6. The system shall display an error message “All fields are required”.
7. The system shall redirect to dashboard.
8. The system shall redirect to Login page.
9. The system shall connect to database.
10. The system saves input data into the database.

**URS-02: Users can edit their own profile.**

SRS-08: The system shall save data into the database.

1. The system shall provide UI for the student to edit first name, last name, description, company, position, email, password, profile image, signature image, and start date.
2. The system shall provide UI for the mentor to edit first name, last name, description, company, position, email, password, profile image, and signature image.
3. The system shall provide UI for the supervisor to edit first name, last name, description, company, position, email, password, profile image, and signature image.
4. The system validates first name, last name, description, company, position, email, password, and start date.
5. The system shall provide UI to display an error message if the student edit their own information which the “email” is not matched with constraint.
6. The system shall provide UI to display an error message if the student edit their own information which the “Mentor and supervisor code” does not exist in database.
7. The system shall provide UI to display an error message if the mentor edit their own information which the “email” is not matched with constraint.
8. The system shall provide UI to display an error message if the supervisor edit their own information which the “email” is not matched with constraint.
9. The system shall provide an error message if the input field(s) are blank.
10. The system shall redirect to profile page.

**URS-03: Users can login.**

1. The system shall provide UI to login.
2. The system shall receive email and password.
3. The system shall verify email and password.
4. The system shall display an error message if email or password is wrong.
5. The system shall navigate the student to access the student dashboard.
6. The system shall navigate the mentor to access the mentor dashboard.
7. The system shall navigate the supervisor to access the supervisor dashboard.
8. The system shall redirect to Login page.

**URS-04: Users can logout.**

SRS-26: The system shall redirect to Login page.

1. The system shall provide a button to logout.
2. The system shall logout from the system.

**URS-05: Student can add registration code.**

SRS-08: The system shall save data into the database.

1. The system shall validate a code.
2. The system shall display a confirmation message.
3. The system shall link the mentor/supervisor account to the student account.
4. The system shall redirect to profile page.
5. The system shall update a name of mentor or supervisor on student’s profile page.
6. The system shall lock the button.

**URS-06: User can view tasks of a project.**

SRS-07: The system shall connect to database.

1. The system shall provide UI to display student’s dashboard.
2. The system provide UI to display list of projects, a button of creating new project, task statistics, and summary of activities frequency.
3. The system shall provide UI to display projects detail page.
4. The system shall provide UI to display lists and cards of tasks.

**URS-07: Students can view the statistics of tasks.**

SRS-07: The system shall connect to database.

SRS-35: The system shall provide UI to display student’s dashboard.

1. The system shall display statistics box of tasks on the top of dashboard page.
2. The system shall provide list of student in profile page.
3. The system shall link to dashboard of selected student.

**URS-08: Student can create a project.**

SRS-07: The system shall connect to database.

SRS-35: The system shall provide UI to display student’s dashboard.

SRS-08: The system shall save data into the database.

1. The system shall provide “create new project” button in the dashboard.
2. The system shall provide UI which receive project name, project description, start date, “create” button, and “cancel” button.
3. The system shall validate empty fields.
4. The system redirects to the dashboard.
5. The system locks the “create” button.

**URS-9: Student can edit a project.**

SRS-07: The system shall connect to database.

SRS-35: The system shall provide UI to display student’s dashboard.

SRS-08: The system shall save data into the database.

SRS-44: The system shall validate empty fields.

SRS-45: The system redirects to the dashboard.

1. The system shall provide UI which receive project name, description, start date, “edit” button, and “Cancel” button.
2. The system shall lock the “Edit” button.

**URS-10: Students can delete a project**.

SRS-07: The system shall connect to database.

SRS-35: The system shall provide UI to display student’s dashboard.

1. The system shall provide UI to display a confirmation message “Are you sure to delete this project?” with “Confirm” and “Cancel” button.
2. The system shall delete a project in database.

SRS-45: The system redirects to the dashboard.

**URS-11: Students can create a task.**

SRS-07: The system shall connect to database.

SRS-08: The system shall save data into the database.

SRS-35: The system shall provide UI to display student’s dashboard.

SRS-44: The system shall validate empty fields.

1. The system shall provide UI to display the Task page.
2. The system shall provide UI to receive tasks name, task description, start date, “create” button, and “cancel” button.
3. The system shall redirect to Task page.
4. The system shall create a new task object in the database.
5. The system locks the “create” button.

**URS-12: Student can edit a task.**

SRS-07: The system shall connect to database.

SRS-08: The system shall save data into the database.

SRS-35: The system shall provide UI to display student’s dashboard.

SRS-44: The system shall validate empty fields.

SRS-51: The system shall provide UI to display the Task page.

SRS-53: The system shall redirect to Task page.

1. The system shall provide UI which receive tasks name, task description, “update” button, and “cancel” button.
2. The system provides UI which receive tasks name, task description, “update” button, and “cancel” button.

**URS-13: Student can delete a task.**

SRS-07: The system shall connect to database.

SRS-35: The system shall provide UI to display student’s dashboard.

SRS-51: The system shall provide UI to display the Task page.

SRS-53: The system shall redirect to Task page.

1. The system shall provide UI to display a confirmation message “Are you sure to delete this task?” with “Confirm” and “Cancel” button.
2. The system shall delete the task object from database.

**URS-14: Students can change a status of task.**

SRS-07: The system shall connect to database.

SRS-08: The system shall save data into the database.

SRS-35: The system shall provide UI to display student’s dashboard.

SRS-51: The system shall provide UI to display the Task page.

SRS-53: The system shall redirect to Task page.

1. The system shall provide UI to select the start date with “Confirm” button, and “Cancel” button.
2. The system shall change the task status.
3. The system locks the “Confirm” button.
4. The system display forbidden sign as a mouse cursor.
5. The system locks for changing the status of a task.

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**URS-15: User can view a comment.**

SRS-07: The system shall connect to database.

1. The system shall request the task data from database.
2. The system shall provide UI to display a task detail, comment field, and status buttons.

**URS-16: User can create a comment.**

SRS-07: The system shall connect to database.

SRS-08: The system shall save data into the database.

1. The system shall provide a comment field with “comment” button.
2. The system shall display the comment.

**URS-17: User can delete their own comment.**

SRS-07: The system shall connect to database.

SRS-08: The system shall save data into the database.

1. The system shall provide UI to delete their own comment.
2. The system shall display a confirmation message “Are you sure to delete this comment?” .
3. The system shall delete the comment in the database.
4. The system redirects to the task detail page.

**URS-18: User can view activities of projects.**

SRS-07: The system shall connect to database.

1. The system shall provide UI to display task statistics, List tab, Card tab, and activities tab.
2. The system shall display activities of tasks since the project was started.

**URS-19: Student can generate a weekly report.**

SRS-07: The system shall connect to database.

1. The system requests tasks data from database.
2. The system arranges task details in the report template.
3. The system provide UI to display a weekly report.

**URS-20: Student can print a weekly report.**

1. The system shall provide “Print” button.
2. The system shall provide UI to see a preview of a report with “Print” and “Cancel” button.
3. The system shall redirect to weekly report UI.

**URS-21: User can receive an activity notification via Web application.**

1. The system shall detect a new activity.
2. The system shall push an activity to database.
3. The system shall receive notify object from database.
4. The system shall display an activity notification pop-up on the website, on “Today” notification tab, and on “All” tab.
5. The system shall detect a new activity of student who under their guidance.

**URS-22: User can receive an activity notification via Email.**

1. The system shall detect a new activity.
2. The system shall send request to EmailSender.