1. **Visitor can register to the system by providing the first name, last name, description, company, position, email, password, profile image, signature image, start date, and role of user.**
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 connect to database.
9. The system saves input data into the database.
10. The system shall redirect to Login page.

**URS-02: Student, Mentor, and Supervisor can edit their own profile.**

SRS-05: The system provides UI to display an error message “All fields are required”.

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 validate first name, last name, description, company, position, email, password, and start date.
3. The system shall provide UI to display an error message “Invalid Email”.
4. The system shall redirect to profile page.

**URS-03: Student, Mentor, and Supervisor can login by providing email and password.**

SRS-09: The system shall redirect to Login page.

1. The system shall provide UI to receive Email and password.
2. The system shall validate email and password.
3. The system displays an error message “Invalid credential”.
4. The system displays an error message “The password must be at least 6 characters”.
5. The system shall navigate the student to access the student’s dashboard.
6. The system shall navigate the mentor to access the mentor’s dashboard.
7. The system shall navigate the supervisor to access the supervisor’s dashboard.

**URS-04: Student, Mentor, and Supervisor can logout from the system.**

SRS-09: The system shall redirect to Login page.

1. The system shall provide a button to logout.
2. The system shall be logged out.

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

1. The system shall provide UI to receive a code
2. The system shall validate a code.
3. The system shall display a confirmation message “Albert Einstein (Supervisor)?” with “Confirm” button and “Cancel” button.
4. The system shall link the mentor/supervisor account to the student account.
5. The system shall redirect to profile page.
6. The system shall update a name of mentor or supervisor on student’s profile page.
7. The system shall lock the button.

**URS-06: Student, Mentor, and Supervisor can view tasks of a project.**

1. The system provide UI to display list of projects, a button of creating new project, task statistics, and summary of activities frequency.
2. The system shall provide UI to display the task page which contains task statistics, list of tasks, card of tasks tab, and tasks activity tab.
3. The system shall display a card of task on card board.
4. The system shall display an activity of a task.

**URS-07: Student, Mentor, and Supervisor can view the statistics of tasks.**

1. The system shall provide UI to display a dashboard which contains statistics box, activities box, and a list of projects.
2. The system shall redirect to the dashboard of a selected student
3. The system shall provide UI to display a dashboard which contains statistics box, activities box, and a list of projects.

**URS-08: Student can create a project by providing the name of project, description, and start date.**

1. The system shall provide “create new project” button in the dashboard.
2. The system shall provide UI to receive project name, project description, start date, “create” button, and “cancel” button.
3. The system shall validate project name, description, and start date.
4. The system redirects to the dashboard.
5. The system shall display an error message “The project name field is required.”.
6. The system displays an error message “The description field is required.”.

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

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

SRS-39: The system shall validate project name, description, and start date.

SRS-40: The system redirects to the dashboard.

SRS-41: The system shall display an error message “The project name field is required.”.

SRS-42: The system displays an error message “The description field is required.”.

1. The system shall provide UI to display student’s dashboard.
2. The system shall provide UI to receive project name, description, start date, “edit” button, and “Cancel” button.
3. The system shall lock the “Edit” button.

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

SRS-40: The system redirects to the dashboard.

SRS-43: 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.

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

1. The system shall provide UI to receive tasks name, task description, start date, “create” button, and “cancel” button.
2. The system shall validate task name, description, and start date.
3. The system shall create a new task object in the database.
4. The system shall redirect to Task page.
5. The system shall lock the “create” button.
6. The system shall display an error message “The task name field is required.”
7. The system shall display an error message “The task description field is required.”
8. The system displays an error message “The start date field is required.”

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

SRS-51: The system shall redirect to Task page.

SRS-53: The system shall display an error message “The task name field is required.”

SRS-54: The system shall display an error message “The task description field is required.”

1. The system shall provide UI which receive tasks name, task description, “update” button, and “cancel” button.
2. The system shall provide UI which receive tasks name, task description, “update” button, and “cancel” button.
3. The system shall validate tasks name and task description.
4. The system shall update a task object in the database

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

SRS-51: 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 selected task from the database.

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

SRS-51: 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 validate the start date.
3. The system shall change the task status.
4. The system shall displays a task in card style.
5. The system shall provide UI to display task detail with the status button
6. The system shall lock the “Confirm” button.
7. The system display forbidden sign as a mouse cursor.
8. The system shall lock for changing the status of a task.
9. The system shall remain a card task in the same column.
10. The system shall discard to change the status of task.

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**URS-15: Student, Mentor, and Supervisor can view comments.**

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

**URS-16: Student, Mentor, and Supervisor can create a comment.**

1. The system shall provide UI to display task detail, status buttons, and comment field with “comment” button
2. The system shall validate a comment field.
3. The system shall save the comment data into the database.
4. The system shall display a comment.
5. The system shall lock a comment button.

**URS-17: Student, Mentor, and Supervisor can delete their own comment.**

1. The system shall provide a bin icon to delete their own comment.
2. The system shall display a confirmation message “Are you sure to delete this comment?” with “Confirm” button and “Cancel” button.
3. The system shall delete the comment in the database.
4. The system shall display a message “Delete comment success”.
5. The system shall redirect to the task detail page.
6. The system shall discard to delete a comment.

**URS-18: Student, Mentor, and Supervisor can view activities of tasks in a specific project.**

1. The system shall provide UI to display task statistics, List tab, Card tab, and activities tab.
2. The system displays all activities of a selected project.

**URS-19: Mentor and Supervisor can view activities of all under guidance students.**

1. The system provides UI to display dashboard with task all task statistics, and all activities of students.

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

SRS-72: The system shall request the task from database.

1. The system shall arrange task details in the report template.
2. The system shall provide UI to display a weekly report which is separated by the project.

**URS-21: Student can print a weekly report.**

1. The system shall provide UI to see a preview of a report with “Print” and “Cancel” button.
2. The system sends a weekly report to a printer
3. The system redirects to the report page.
4. The system shall discard to print a report.

**URS-22: Student, Mentor, and Supervisor can receive an activity notification via Web application.**

1. The system shall detect a new activity.
2. The system shall send a request to Firebase service.
3. The system shall observe data in Firebase.
4. The system shall display an activity notification pop-up on the website, on “Today” notification tab, and on “All” tab.

**URS-23: Student, Mentor, and Supervisor can receive an activity notification via Email.**

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