1. **Visitor can register to the system.**
2. 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. System shall validate first name, last name, description, company, position, email, password, start date, and role of user.
4. System shall provide an error message if the input field(s) are blank.
5. System shall provide an error message if an input email is not matched with constraint.
6. System shall redirect to dashboard.
7. System shall provide registration code for supervisor and mentor.
8. System saves input data into the database.

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

1. 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. System shall provide UI for the mentor to edit first name, last name, description, company, position, email, password, profile image, and signature image.
3. System shall provide UI for the supervisor to edit first name, last name, description, company, position, email, password, profile image, and signature image.
4. System validates first name, last name, description, company, position, email, password, and start date.
5. 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. 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. 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. 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. System shall provide an error message if the input field(s) are blank.
10. System shall save data into the database.
11. System shall redirect to profile page.

**URS-03: Users can login into the system.**

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

**URS-04: Users can logout from the system.**

1. System shall provide a button to logout.
2. System shall logout from the system.
3. System shall redirect to login page.

**URS-05: Student can add mentor and supervisor code.**

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

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

1. System shall connect to database.
2. System shall provide UI to display student dashboard.
3. System shall provide UI to display projects detail page.
4. System shall provide UI to display lists and cards of tasks.

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

1. System shall connect to database.
2. System shall provide UI to display student dashboard.
3. System shall provide UI to display the statistics of tasks.

**URS-08: Students can add a project.**

1. System shall connect to database.
2. System shall provide UI to display student dashboard.
3. System shall provide “create new project” button.
4. System shall provide UI which receive project name, project description, and due date.
5. System shall display a successful message “A new project is created.”
6. System shall display an error message “Invalid input data. Please recheck it again ”
7. System shall redirect to create a new project detail page with the previous input data.
8. System shall redirect to previous page.
9. System shall save data to database.

**URS-09: Student can edit a project.**

1. System shall connect to database.
2. System shall provide UI to display student’s dashboard.
3. System shall provide UI to display the project detail page.
4. System shall provide edit button for editing the project.
5. System shall provide UI which receive project name, project description, and due date.
6. System shall display a successful message “The project is edited.”
7. System shall display an error message “Invalid input data. Please recheck it again ”
8. System shall redirect to previous page.
9. System shall save data to database.

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

1. System shall connect to database.
2. System shall provide UI to display student’s dashboard.
3. System shall provide UI to display the project detail page.
4. System shall provide delete button interface for deleting a project.
5. System shall display a confirmation message “Are you sure to delete this project?” with “yes” and “no” button.
6. System shall delete a project in database.

**URS-11: Students can add tasks of a project.**

1. System shall connect to database.
2. System shall provide UI to display student dashboard.
3. System shall provide UI to display the project detail page.
4. System shall provide UI which receive tasks name, task description, and task due date, submit button, and cancel button.
5. System validate input data with constraint.
6. System show a successful message “A new task is created.”
7. System display an error message “Invalid input data. Please recheck it again”.
8. System shall save data to database.

**URS-12: Students can edit tasks of a project.**

1. System shall provide UI to display student dashboard.
2. System shall provide UI to display the project detail page.
3. System shall provide UI to display lists and cards of tasks.
4. System shall provide UI which receive tasks name, task description, and task due date.
5. System shall save data to database.

**URS-13: Students can delete tasks of a project.**

1. System shall connect to database.
2. System shall provide UI to display student dashboard.
3. System shall provide UI to display the project detail page.
4. System shall provide UI to display lists and cards of tasks.
5. System shall provide a button to delete a task.
6. System shall provide a delete conformation message.
7. System shall save data to database.

**URS-14: Students can move tasks of a project.**

1. System shall provide UI to display student dashboard.
2. System shall provide UI to display the project detail page.
3. System shall provide UI to display lists and cards of tasks.
4. System shall provide a task card to drag and drop a task.
5. System shall display the task in another card column
6. System shall provide a forbidden mouse-cursor while dragging .
7. System shall provide a conformation message “Do you want to move this task?”.
8. System shall display a successful message “Move a task success”
9. System shall provide an error message if the move destination is not match with constraints “You cannot move this task to xxxxx”.
10. System shall save data to database.

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

1. System shall connect to database.
2. System shall provide UI to display a comment of mentor and supervisor in each task.

**URS-16: Students can add a comment.**

1. System shall provide a add comment button for adding comments of mentor and supervisor.
2. System shall provide a submit button for saving data.
3. System shall display a successful message “comment is added.”
4. System shall save data to database.

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

1. System shall provide a delete comment button.
2. System shall display a confirmation message “Do you want to delete this comment?”
3. System shall provide a cancel button.
4. System shall cancel to delete a comment.
5. System shall display a successful message “Comment is deleted.”.
6. System shall save data to database.

**URS-18: Mentors and Supervisor can view tasks of a student’s project.**

1. System shall connect to database.
2. System shall provide UI to display tasks of students who add registration code of mentor and supervisor.

**URS-19: Mentors and Supervisor can view the statistics of tasks.**

1. System shall connect to database.
2. System shall provide UI to display list of students.
3. System shall provide UI to display specific student’s dash board.
4. System shall provide UI to display statistics of student’s tasks.

**URS-20: Mentor can view comments in student’s report.**

1. System shall connect to database.
2. System shall provide “show report” button to display a student’s weekly report.
3. System shall provide UI to display a student’s weekly report.

**URS-21: Mentor can add comments in student’s report.**

1. System shall provide UI which receive comment of mentor in weekly form.
2. System shall display a confirmation message “Do you want to save this comment?”.
3. System shall display a successful message “Add comment success”.
4. System shall save data to database.

**URS-22: Mentor can edit comments in student’s report.**

1. System shall connect to database.
2. System shall provide UI to edit a comment of mentor in daily form.
3. System shall provide UI to edit a comment of mentor in weekly form.
4. System shall display a confirmation message “Do you want to edit this comment?”.
5. System shall display a successful message “Edit comment success”.
6. System shall save data to database.

**URS-23: Mentor can delete comments in student’s report.**

1. System shall connect to database.
2. System shall provide UI to display a list of mentor’s comments.
3. System shall provide delete button for deleting a comment.
4. System shall display a cancel button.
5. System shall display a confirmation message “Do you want to delete this comment?”.
6. System shall display a successful message “comment is deleted”
7. System shall save data to database.

**URS-24: Supervisor can view comments in student’s report.**

1. System shall connect to database.
2. System shall provide UI to display comment options.
3. System shall display comments of supervisor in daily or weekly form.

**URS-25: Supervisor can add comments in student’s report.**

1. System shall connect to database.
2. System shall provide UI of adding comment options.
3. System shall provide UI to add a comment of supervisor in daily form.
4. System shall provide UI to add a comment of supervisor in weekly form.
5. System shall provide a save and cancel button.
6. System shall cancel a comment.
7. System shall display a confirmation message “Do you want to add this comment?”.
8. System shall display a successful message “add comment success”.
9. System shall save data to database.

**URS-26: Supervisor can edit comments in student’s report.**

1. System shall connect to database.
2. System shall provide UI of editing comment options.
3. System shall provide UI to edit a comment of supervisor in daily form.
4. System shall provide UI to edit a comment of supervisor in weekly form.
5. System shall display a confirmation message “Do you want to edit this comment?”.
6. System shall display a successful message “Edit comment success”.
7. System shall save data to database.

**URS-27: Supervisor can delete comments in student’s report.**

1. System shall connect to database.
2. System shall provide UI to display a list of supervisor’s comments.
3. System shall provide delete button for deleting a comment.
4. System shall display a cancel button.
5. System shall display a confirmation message “Do you want to delete this comment?”.
6. System shall display a successful message “comment is deleted”
7. System shall save data to database.

**URS-28: User can view activities of projects.**

1. System send notification and create tasklog
2. System display tasklog

**URS-29: Users can generate a pdf file of weekly report.**

1. System shall convert html weekly report to pdf report.
2. System shall display a pdf file of weekly report.
3. System shall provide a download button to download a pdf file.
4. System shall provide a close button.
5. System shall provide a print button.

**URS-30: Users can generate a weekly report.**

1. System shall provide a button to generate a report.
2. System shall call projects and tasks detail from the database.
3. System shall arrange the projects and tasks detail in the WIL report template.
4. System shall display a weekly report.

**URS-31: Student can receive comment notification message on Web application.**

1. System shall detect comments of mentor and supervisor.
2. System shall arrange comments based on time-stamp.
3. System shall display comment activities from the earliest to the latest comment in activities box (in dashboard).

**URS-32: Mentor and supervisor can receive activities notification message on Web application.**

1. System shall detect task activities of students who under their guidance.
2. System shall arrange task activities based on time-stamp.
3. System shall display task activities from the earliest to the latest activity in activities box (in dashboard).

**URS-33: Student can receive comment notification message by Email.**

1. System shall detect comments of mentor and supervisor.
2. System shall provide email template of comment notification.
3. System shall merge the content of comment to an email template.
4. System shall send a notification via email based on time-stamp of comment.

**URS-34: Mentor and supervisor can receive activities notification message by Email.**

1. System shall detect task activities of students who under their guidance.
2. System shall provide email template of task activities notification.
3. System shall merge the content of task to an email template.
4. System shall send a notification via email based on time-stamp of task.