Sprint 4 Deliverables

Sprint 4 Planning

- Notification feature completion. (UI) `Aditi ▾`
- Header needs to be added to all pages. `Aditi ▾`
- Footer Addition to Pages `Aditi ▾` `Joyal ▾`
- Insight sphere needs to be added to all pages.
- Testing `Everyone ▾`
- Chatroom has to be finished (UI) frontend and backend `Jonathan ▾`
- Chatbot with @chatai (needs to be completed) `Jonathan ▾`
- Edit evaluation `Jonathan ▾`
- Profile (Table and backend) `Aditi ▾`
- SonarQube setup `Joyal ▾`
- Code Reviews `Owen ▾`
- Edit teams `Owen ▾`
- Removing peer that is already reviewed from the peer assessment tab `Owen ▾`
- Make two headers, one for instructor, one for students) `Aditi ▾`
- Dashboard for View Reviews Summary and Detailed Reviews (needs to work) `Owen ▾`
- CSV parsing for View Reviews Summary and Detailed Reviews page `Joyal ▾`
- Detailed Review Part Comments `Owen ▾`
- Bug fixes `Everyone ▾`
- PowerPoint presentation on project `Everyone ▾`

DEMO VIDEO: 🎬 SOEN 341 Demo Video- Team XL.mp4

Work Completed by Team members

Owen

- Made edit teams backend
- Made sure that students can only review peers that they haven't reviewed yet
- Made the average grades backend for summary and detailed views
- Worked on SonarQube issues

Joyal

- Did UI and backend for view profile + edit profile + create profile
- CSV parsing (export) for View Reviews Summary and Detailed Reviews page
- Set up Sonarqube for the group and the repo
- Made demo video for the website
- Revamped the Readme file
- Created Coding Standards for the repo
- UI for Access Assessment
- Added footer for Access Assessment, view reviews summary and reviews completion pages.

Aditi

- Fixed all the headers, ensured all the pages of the web application could be accessed from the header with the current user identity sent to each page.
- Wrote backend for profile.
- Wrote backend and frontend for notifications.
- Bug-fixed UI/UX on web pages
- Enhanced web-pages with additional UI/UX
- Wrote the frontend for the chatroom feature

Jonathan

- Repair Chatroom/chatbot bugs
- Repair CSV parsing for creating student in teams bug
- Wrote testing files
- Write back-end of chatroom
- Repair Bug of edit evaluation

Oussama

- Meeting minutes of sprint 4 .
- Assess notification web page fixed.
- Make sure the meeting minutes have been done and are well formatted.

SonarCloud Code Review Corrections Made:

1) use of var instead of let

2) declaration and initialization of unused variables

3) imported unused packages

4) Hard coded passwords which can cause safety issues

5) SQL injection protection

6) use of for loop instead of for-of loop

7) Maximum file upload size must be set to avoid DDoS attack

SonarCloud Code Review Current Status at the end of Sprint 4
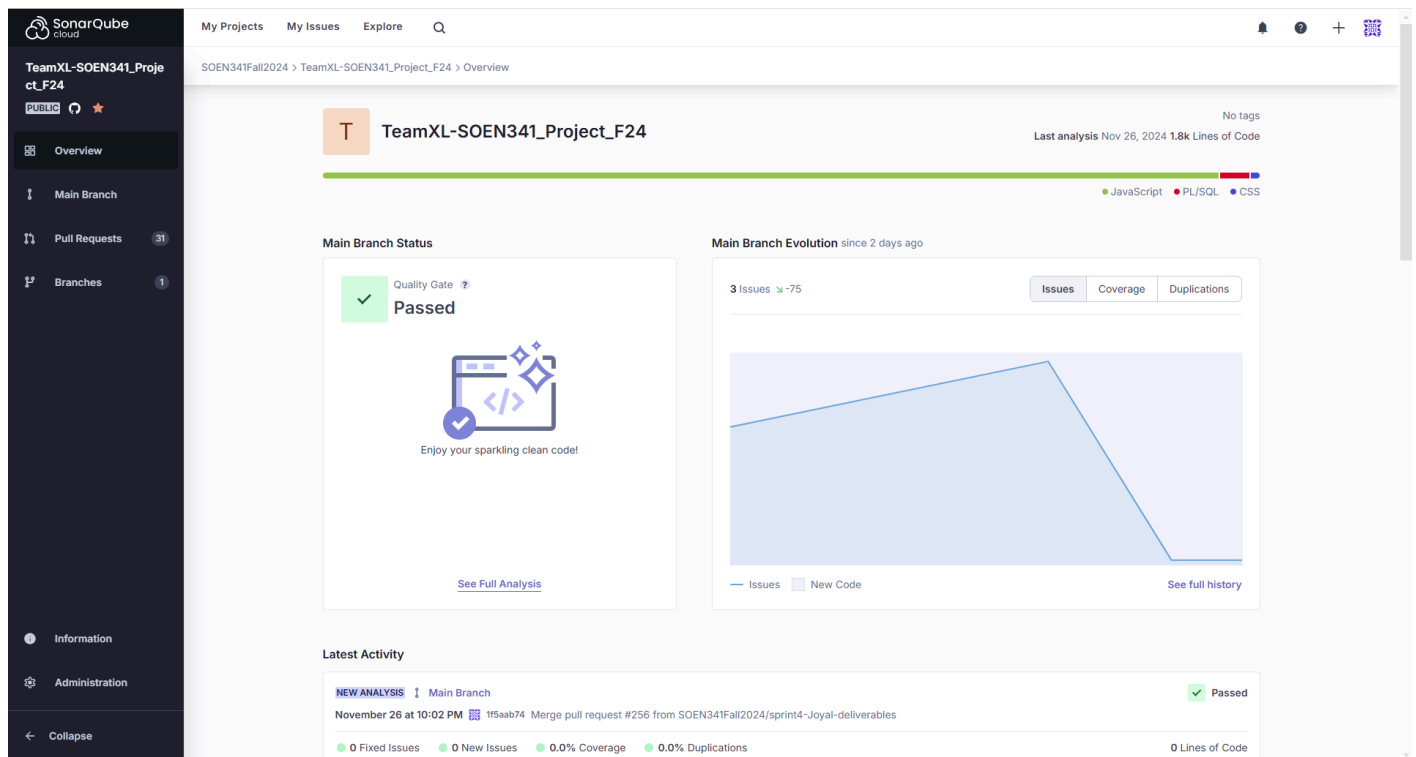
CI/CD unit testing implemented (based on Sprint 2 and Sprint 3 deliverables)

1. Basic Routes Testing:
   - Tests if the home page (/), login page (/login), and registration page (/register) load correctly
   - Checks that these basic routes return 200 (success) status codes
2. Authentication Testing:
   - Tests user registration functionality (/register)
   - Tests user login functionality (/login)
   - Includes mocked password hashing (using bcrypt) for security testing
   - Verifies proper session handling
3. Protected Routes Testing:
   - Tests access control for student and instructor dashboards
   - Verifies that authentication is required for certain routes
   - Checks that instructor dashboard requires a username
   - Tests profile route redirects for unauthenticated users
4. Peer Evaluation Testing (Main Feature):
   - Tests the peer assessment page loading
   - Tests submission of student evaluations
   - Verifies the evaluation form submission process
   - Tests specific evaluation criteria including:
     - Cooperation
     - Conceptual contribution
     - Practical contribution
     - Work ethic
     - Comments for each category

All Acceptance Testings were adhered to and completed from Sprint 3.