Tools Setup

This document provides an overview of the tools used in this project and guidelines for setting them up and utilizing them effectively.
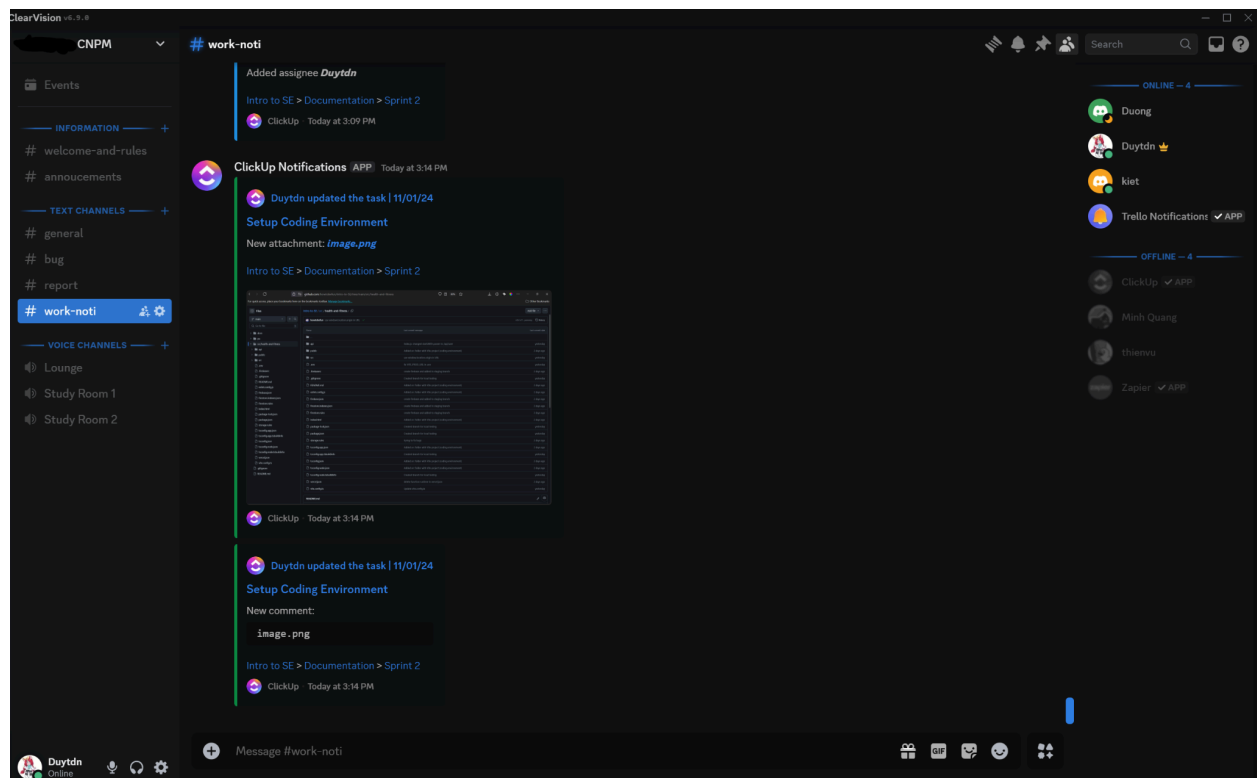
1. Discord

Purpose: Communication and team collaboration
Usage: Discord is our primary platform for real-time discussions, brainstorming, and quick updates. We use designated channels to keep conversations organized and ensure everyone stays up-to-date on project progress.
Setup:

- Join the project's Discord server using the invite link provided by the team leader.
- Familiarize with the channel structure, roles, and permissions.
- Make sure to set up notifications according to preference for important updates.
- **Key Channels:**
    - **#welcome-and-rules:** For the first welcome message and rules update.
    - **#announcements**: For project updates and critical information.
    - **#general**: Open forum for discussing ideas and project-related queries.
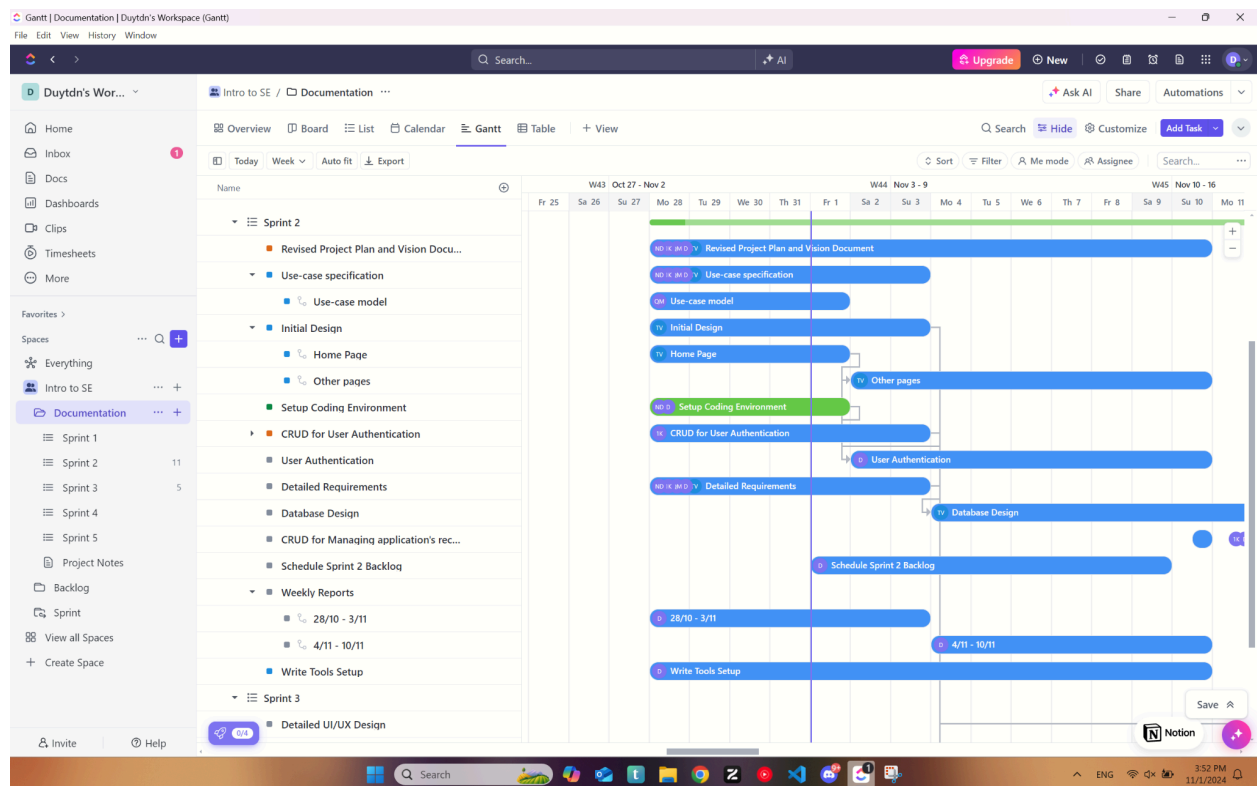   - **#work-noti**: For ClickUp tasks' notifications

2. ClickUp

Purpose: Task management and progress tracking
Usage: ClickUp is our central tool for managing tasks, deadlines, and priorities. It allows us to break down the project into manageable steps and assign responsibilities.
Setup:

- Join the ClickUp workspace via the invitation link shared by the team lead.
- Review tasks assigned and update task status regularly.
- Set up ClickUp notifications to ensure alerted due dates, updates on assigned tasks, and team mentions.
- **Task Status:**
  - **To Do**: For new tasks that need to be started.
  - **In Progress**: Tasks that are currently being worked on.
  - **In Review**: Tasks awaiting review or approval.
  - **Accepted**: Tasks got accepted but still need to be visible on Dashboard for reviewing reasons
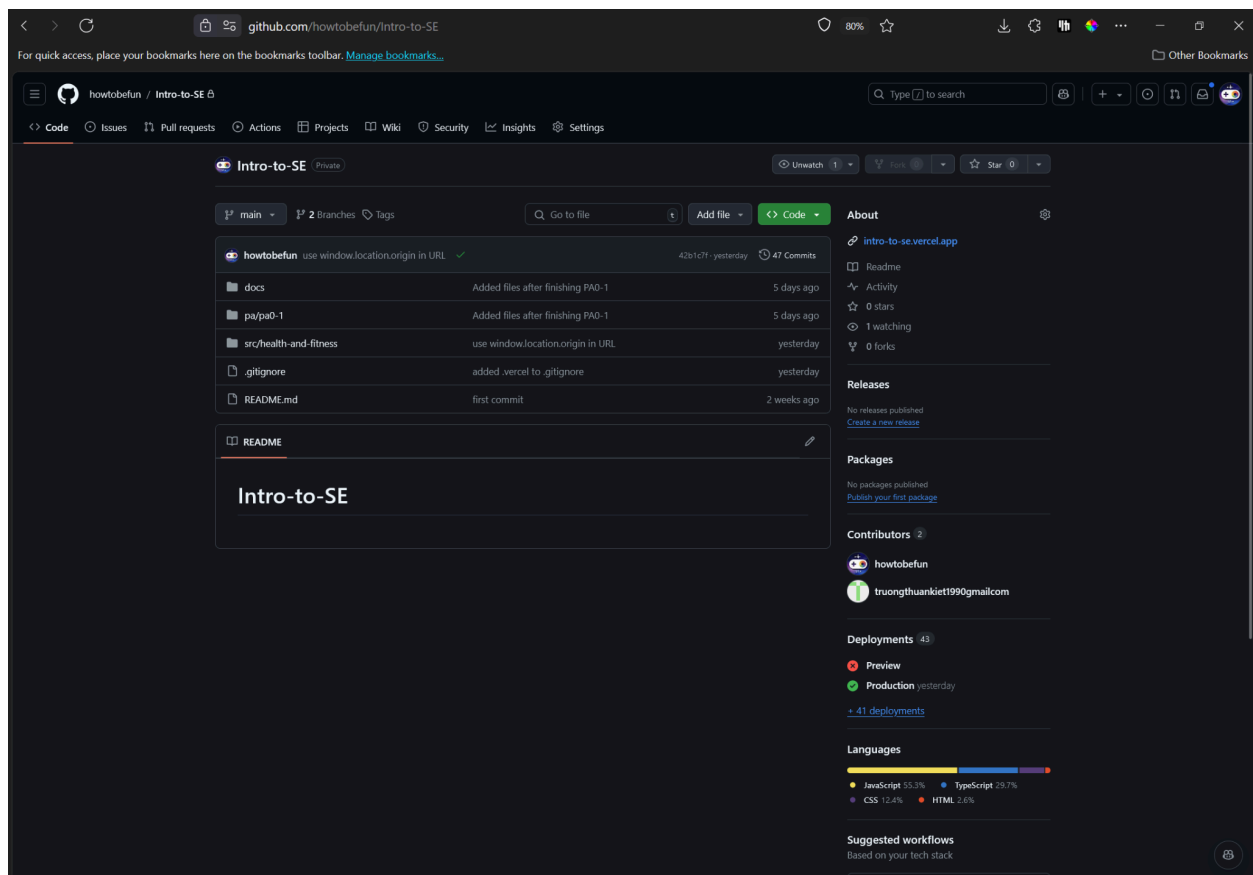 - **Completed**: Finished tasks.

3. GitHub

Purpose: Version control and code repository
Usage: GitHub hosts our project documents, PA folders and codebase, manages version control, and supports collaborative code review. We use branching strategies to keep the main branch stable while enabling individual contributors to work on specific features or bug fixes.
Setup:

- Ensure team members have a GitHub account and access to the project repository.
- Clone the repository to the local environment and create branches for new features or fixes.
- Follow our project's GitHub workflow for commits, pull requests, and code reviews.
- **Key Branches:**
  - **main**: The stable branch containing production-ready code.
  - **test**: For integration of new features before they are merged into the main branch.
  - *feature/ or fix/***: Individual branches for feature development or bug fixes.

4. Slack

Purpose: Communication with Teachers and TAs
Usage: Slack serves as a dedicated channel to communicate with Teachers and Teaching Assistants, facilitating seamless interaction, project support, and guidance.
Setup:

- Join the Slack workspace via the invite link provided by Teachers.
- Set up notifications to stay informed about messages from teachers and TAs.
- Use the private channel **#2022clc01_software_engineering_team_04** as instructed by Teachers and TAs to ensure communication between the team and the teachers.