

Version Control Plan

We are using Git in order to work together on the project. Git will be used to update files and to organise our project, as well as to mention any problems faced by each team member.

The Git Project was created by Daniel. Changes have been made every day since the 23rd. The project has been committed to every time a change has been made.

How we Used Branches

We have made use of branches for each requirement of the project. One person would create a new branch for the feature they were working on, once that feature had been updated, whoever worked on the feature would send a merge request to merge that branch with the master. For example, the GUI branch, which was used by Alex to create update the GUI. After changes have been made to the branch, Daniel merged the branch with the master branch. This was done for the GUI, the JUnit tests, login form, and user authentication. Changes are pushed to Git after they're made and tested.

We decided to make use of branches in this way, so that we can track and manage the changes made. This ensure each change made to the system can be easily undone if needed. Managing and tracking changes this way makes it easier to know who's made a change and the changes that each member of the team has made to the project. This is important when collaborating on a project as it also allows us to measure participation throughout the project.

Other Uses of Git

We've also used Git to raise issues we may have encountered with the code. For example, when Daniel raised the issue of the missing 'Justification of Design Choices' document. While we have been communicating informally through WhatsApp, the issue feature allows us to keep track of the issue we face during our project.

Git Usage Throughout our Project

In summary, we utilise Git and the features provided in order to:

- Track and manage changes made to the project.
- Raise issues with the project.
- Update project files.
- Record participation throughout the project.