

# Initial JH Project Plan

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Currently we have decided as a group on following plans in terms of workflow and project setup:

## Language:

- Plan to use Java as the language for the basic functionality. And potentially other languages for implementing additional features as appropriate. Probably C++ for AI as it is faster.

## User Interface:

- We plan to investigate various cross-platform technologies (such as Qt) with the hope that a technology can be found to implement a single user-interface which can be used on multiple platforms.

## Workflow:

- We plan to use Test Driven Development. In Java, we plan to use JUnit tests and in other languages we plan to use the relevant test suites.
- For version control we plan to use Mercurial.
  - Repo URL: <https://po26.hg.cs.st-andrews.ac.uk/jhproject/>
  - We plan to make full use of branches. For more information on the planned branch workflow, see <http://nvie.com/posts/a-successful-git-branching-model/>.
- We plan to use continuous integration. Currently in the process of investigating Jenkins.
- For Issue Tracking we are using a Trello board as a Kanban board. We are able to assign tasks to team members and move tasks between various states. States could be “Ideas”, “In Development”, “In testing” and “done”.
- We plan to use Maven as a build system