

Project Diary

12 MARCH 2018

Meeting with jelena and matthew to discuss initial user stories software development plan, user requirements, legal licensing of the software and future continuation of the software after project development period. Source code to be stored on git based server. Because of the nature of the project it was agreed that it needed to be developed in java because of many different operating systems that the project will need to operate on.

Actionable Goals:

- Start the project proposal
- Setup the development environment
- Setup version control
- Create the developer diary

13 MARCH 2018

Initial Creation of the software, started setting out the main gui elements and structuring the core class files. Seperated the utility methods, confirm boxes and covert methods from the main class, structured the internal project settings and setup the build environment and artifact generation for the project.

Actionable Goals:

- Develop more of the project proposal
- Write the output file methods
- Integrate csv parser for the convert method

14 MARCH 2018

Wrote the Introduction section to the project proposal, including the purpose of the plan, project description and project overview. Had a discourse with heather about the project plan. Noted down various strategies that we can use to tackle the project and felt that the overall direction of the project was going well.

Actionable Goals:

- Develop more of the project proposal
- Create a timeline for the proposal
- Create a weekly update time for the project

17 MARCH 2018

Outlined the scope of the project in the project proposal, what items fall beyond scope, milestones and initial project risk assessment. Added some notes to the project for further development into document points at a later date. Developed a timeline for the project.

Actionable Goals:

- Develop more of the project
- Develop more of the project proposal

22 MARCH 2018

Further discussion with Matt and jelena about the user stories and matlab scripts and the current process of raw data to graphing models. Refined the scope of the project, what now will fall out of scope and what will be developed. The regression procession will be outside of scope and so will the matlab integration. Will still develop a multi file dialog and a database view.

Actionable Goals:

- Develop more of the project
- Develop more of the project proposal
- Create a Database view for the project

23 MARCH 2018

Integrate CSV commons library and build the convert method for files, add text fields and create the file import methods and file write methods needed to output files. Initially tried to use another library but found that the library wasn't as easy to use and import as well as the licensing of the library did not allow for licensing requirements outlined in the project scope.

Actionable Goals:

- Develop more of the project
- Develop more of the project proposal
- Create a Licence for the project

27 MARCH 2018

Received user stories from matt and jelena, processed them and worked them into the project proposal. Wrote the feasibility report and assessment and added some assumptions to the project proposal.

Actionable Goals:

- Develop more of the project
- Develop more of the project proposal
- Create a Licence for the project

29 MARCH 2018

Meeting with Jelena and matt to showcase the conversion method and formatting of the csv file. Discuss project developments and what is next on the agenda for developing. Delivered the first build of the project to them. Implemented the MIT licence for the project.

Actionable Goals:

- Develop more of the project
- Develop more of the project proposal
- Multi-file dialog Implementation

4 APRIL 2018

Started developing the multi-file dialog, created the database pane and the text area for the main conversion pane. Developed the dynamic builder method for creating the gui for the multi-file dialog.

Actionable Goals:

- Develop more of the project
- Develop more of the project proposal
- Multi-file dialog Implementation

8 APRIL 2018

Submitted the final draft of the project proposal to david paul. Proposal was well developed and structured. Focus has now shifted into full development, install manuals, diaries as professional standards of work across the project.

Actionable Goals:

- Develop more of the project
- Install Manuals
- Presentation
- Unit tests

12 APRIL 2018

Added some error checking the multi-file dialog method, also created the delete and create button to allow the user to be able to delete elements dynamically. This proved difficult as the way javafx handels nodes requires that you recursively create a node list and then search through the elements and then copy the elements and nodes across, delete those from a temporary list of elements and then recreate the grid array.

Actionable Goals:

- Develop more of the project
- More error checking isde the project
- Database View

16 APRIL 2018

Created the database view and the methods to generate a recursive tree list of the elements and display those as a tree view on the left hand side. Had trouble with an Async task to do this, but implemented a simple fix to generate the tree when an onclick event when the database tab is clicked.

Actionable Goals:

- Develop more of the project
- Install Manuals
- Presentation
- Unit tests
- Fix some issues with window creation
- Further develop the database view

27 APRIL 2018

Fixed an issue with the modality of the dialog windows. Created the view of the file contents in the database pane, created a third section to display the gridpane output. Wrote some of the user manuals and documentation. Created some unit tests to test methods of the project.

Actionable Goals:

- Develop more of the project
- Presentation of the project
- GUI elements refactor
- Shift from Main class to core object

5 MAY 2018

Sent a new build to matthew and jelena, started populating the gridpane method now that it has been decided the matlab export will no longer be going ahead. Worked on some of the user documentation and commenting in the project.

Actionable Goals:

- Develop more of the project
- Presentation of the project
- Manuals and documentation

18 MAY 2018

Finished the user documentation manuals, software development has taken a wrap and now only working on bug fixing and delivery of the final build. Screenshots and interfaces added as an additional section to the user manuals. Additional little “videos” of actions taking place recorded.

Actionable Goals:

- Presentation of the project
- Formatting of the project

26 MAY 2018

Recorded presentation and final delivery of the project. Final build of the software generated, all that is left is submitting the documentation and uploading the repository to github.

Actionable Goals:

- Formatting of the project
 - Merging the repository on github
-