**Group Project Specification - Group Notes App**

***Group***

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***Description***

*An Ionic application that allows users to join/create students groups, upload notes, documents, images, etc. to the group to keep everything in one place. Students can write their own notes through the application via a text editor (other users could edit these notes). Users can also log in/sign up to the application with the possibility of group chat functionality.*

**Technologies to be used**

* Ionic – This will the main technology used throughout the application and will be what the application will be written in. We have chosen this as it’s a powerful platform that allows cross platform applications to be written. Also, we both have experience using Ionic and wanted to learn more about it.
* Firebase – This will be used as the database for the application. It will handle all the users, documents and messages fast and securely.
* Node JS – We will connect to the Firebase database using a Node JS server.
* Quill – An API driven text editor that could be used for creating notes in the app.

**Project Timeline – (Starting from Monday the 11th of February)**

Week 1 – Set up GitHub repository, initialise project, install ionic plugins and set up UI.

Week 2 – Set up basic client server functionality for uploading files and writing notes.

Week 3 – Implement login/signup functionality.

Week 4 – Add chat functionality between users.

Week 5 – Add graphics, styling and make user friendly.

Week 6 – Add additional features to improve the app, and test.

Week 7 – Write documentation and prepare for presentation.

* Document progress each week on Github.

**Description of project features**

* ***Student Groups***

The ability for any user to create and join a group easily and securely. Each group will be unique and only members will be able to access the various files, documents etc.

* ***Upload notes, documents, images, etc.***

One page that all group members can see that contains all the documents, notes and images created by members.

* ***Create own, unique notes via a text editor***

Using a text editor for personalisation and formatting allow the user to create notes for college and upload them to the documents page.

* ***Log in/sign up functionality***

Allow the user to create their own personal profile and login. Each user would have a profile page where they could edit their details. Also signed up user could group chat with each other.

**Goals of project**

* To design and produce an application that fits the above project description.
* To refine our teamwork skills, as we will primarily be working in teams in the industry.
* To learn how to work as part of a team and develop good time management skills when a project must be completed within a certain timeline.
* To develop an application using Ionic, in conjunction with the above-mentioned technologies.
* To learn how to develop good judgement skills, in terms of what we would be able to achieve in a certain timeframe, what would be the best technologies/programming language to develop an application in, how long it would take to develop certain features of a project, etc.