

Project Proposal

Student Name	Felix Coulthard
Student School	Mullauna College
Client's first name	Joel Porter
Client business name (optional)	Mullauna College

Background: Description of the client's business, their activities, and the current processes they use.

Joel is the website manager and network admin at Mullauna College, his job consists of handling tickets for network issues, device issues and managing content on the schools website.

Opportunity: Description of the solution that the client requires – What is the problem? What are their needs?

Teachers of the school have shown interest to Joel in the school adopting a modern note taking and revision system for VCE students to stay organised for class and get the most out of their in class learning.

Objectives: Specify the client's requirements for the software solution in point form

- fast note taking system
- upcoming assessment and homework tracker
- notes linked to lessons and activities (classes) that can be searched by topic
- integration with the schools management system "compass"
- storage of notes and files in compass
- revision tools generated from a students notes; flashcards, practice sac questions, quiz questions (short answer and multiple choice) with adjustable difficulties
- ai integration to summarise notes for revision
- easy to use and intuitive interface
- website themes
- instancable design

Who will be the users of the solution? – The client, their staff, customers, students, general public, etc?

VCE students

Feature	Explain where or how this feature appears in your solution
What data would need to be stored in a file or database for your software solution? (Data to be used or uploaded to the software solution and/or saved in the software solution)?	A users notes written on the website will be stored as blobs in compass by interacting with the API. images or attachments uploaded by a user will need to be stored in a similar fashion.
What data would be retrieved from your software solution? What output does the software solution need to produce? (Printed or on screen, e.g. search results, a ticket, a receipt, a report)	Notes will have to be retrieved for editing and viewing, various types of data will need to be fetched from the compass API and manipulated for the user (upcoming classes, lesson plans, resources, upcoming tasks) along with generated data such as; flash cards, practice questions and topic summaries
What features will allow your client to edit data within your software	Users will have access to a live rendering markdown editor to takes notes in class

Feature	Explain where or how this feature appears in your solution
<p>solution?</p> <p>(How can users add, edit, and delete data?)</p>	
<p>Explain how or when your software solution will need to sort data.</p> <p>(For example, should data displayed on the screen be sorted alphabetically?)</p>	<p>The solution will need to sort notes and compass resources to find relevant data for revision and summarisation.</p>
<p>Explain how or when your software solution will need to search through the data.</p> <p>(For example, should system allow filtering by date ranges, or alphanumeric searches?)</p>	<p>The user will be able to search through their notes for a specific topic, class, lesson, time period or notes relating to a learning task.</p>
<p>What type of user interface will your software solution have?</p> <p>(How are the screens going to look? What hardware is the software solution going to run on?)</p>	<p>The solution will be a website for universal access with an upcoming task tracker, WYSIWYG notes editor and revision tools page. the website will be responsive for use on any size screen and will utilise server side rendering to run efficiently on users devices.</p>
<p>What types of user accounts will be required for the software solution?</p> <p>(For example, should users of the software have to login? Are the requirements different for an admin user, to a staff user, to customers?)</p>	<p>The solution will integrate to Compass's API for authentication and data storage so a standalone account management system will not be required.</p>