**A social media application for the dissemination of stock based information between trusted individuals**

**\*For prep and planning make sure you answered the lil headings and bullet points half way down the page of 3.1 – always review this as there will be bullet points/questions you haven’t answered…keep iterating through until you’re happy \* FYI It does mention somewhere about having 3000 words as a guide**

**Preparation and planning**

**Background**

Over the past decade I have developed an interest In trading stocks and shares in my free time as an avenue of making a little extra money to fund my studies. I also view it as an enjoyable pass time as it requires doing lots of research into interesting, cutting edge companies and their technologies. I have found that this hobby gives me a much more hopeful outlook on the world, as it provides me with a clearer picture of some of the technological advancements that may help lessen or overcome a number of the worlds key problems.

Many of my friends have gained an interest in investing as well, buoyed by greater accessibility to trading platforms, a parabolic stock market, low interest rates, easier access to trusted information and also by having a friend (myself) who can help guide them through the initial steps that need to be taken.

As I treat the studying of these companies and their technologies as a hobby I spend a large amount of time researching across different websites and applications. If I find anything that I think may be of interest I will post it in a group chat, as will any of the other participants.

**Problem Description**

The current system we use is a group chat via WhatsApp which allows for people to post links to resources and comments. The absence of any further functionality and the rigid, consistent structure to the messages creates a messy thread of information that can be troublesome to track down old messages and links. This also makes it challenging to have more than one stream of communication at once.

Over multiple years myself and friends have used a long list of different apps and websites that act as great forums for communication however none have suited us perfectly in their layout, their level of personalisation and their trustworthiness as they are generally home scammers and dishonest individuals posting falsehoods and spam. This is a problem as it is less efficient to for busier individuals or less educated individuals to personally through the limitless information streams and resources that are created everyday, and when not in a safe trustworthy space it can be even harder to distinguish fact from fiction.

**My Proposed Solution\*This will need to be reread and written better, filled out a lil more probably as the reader will need to be able to fully understand the exact details of the solution\*Maybe think on this a little more and return (also maybe talk to tutor)**

>To create a relatively simple, invite only java based android application that allows for the dissemination of news and rumours within a more trustworthy and customisable application. The application will only be available to a select group of individuals and will require registration and the creation a basic profile, the application will then require login details to access.

The structure of the app will consist of a main thread of user made posts and an area for discussion. Users must be able to create their own posts, making sure to follow a strict and consistent layout of inputs that include different identifying tags. The tags will specific what company, sector and what kind of information is being posted (for example financial results or social media rumours). < Elaborate here once tutor mesahes you on the scope needed

To put it simply this application will be a safer and simpler alternative to all current applications available as it will be moderated by a trusted individual, myself. Overall it will be a hub of trusted information and trusted individuals sharing key news updates on anything and everything stock related, this makes the process of staying up to date on various developments related to companies, sectors and the stock market in total a lot more efficient as more individuals are sharing the leg work of gathering resources.

The choice of developing this application as my project perfectly aligns with the Software focus of the my degree route.

**Alternatives to my solution \*\*Not sure if needed return after\*\***

Continue using the my current set up, via WhatsApp

Use a different messaging app with more features

Use a more specific stock treading apps

Create a private group a current mainstream social media platform

**Major Tasks and Subtasks**

Maybe just need to type them here?( using bullet points ect ) and do Gantt in schedule section below?

**Life cycle model and schedule**

Weigh the relative strengths and weaknesses of the main alternatives in light of the distinctive features of your chosen topic. We suggest you consider using a table to present your evaluation of the different models**. – maybe adjust table relevant to this project?? As they are currently only facts about the lifecycles**

<https://wadic.net/project-life-cycle-models-their-advantages-and-disadvantages/> **<<Delete after use**

|  |  |  |
| --- | --- | --- |
| **Lifecycle Model** | **Pro’s** | **Con’s** |
| Waterfall lifecycle | * Suits a Project where the numbers of stakeholders are limited * Has a easily understandable sequential structured approach * Best a project with clearly define requirements | * Structured in a way that there is no going back * Requires a lot of prior experience and knowledge * Suits a Task that is routine, where there is familiarity with all aspects of the problem * Suits a scenario where the outcome will have a limited and defined impact |
| Iterative | * Can use alongside prototyping, which is a useful tactic when there is uncertainty about a product or a stakeholders desires * Can follow a adjusted waterfall model whereby there is regular movement backwards and forwards trough the stages | * Using a system that implements evolutionary prototyping creates multiple prototypes with limitations imbedded (for example in scope or design) which can bleed into the final model if not managed appropriately |
| Incrementation | * Generates a working product quickly |  |
| Agile | * Has a smaller planning section which means that a useful product will be released on a much quicker timeframe * Incredibly flexible to change due to the close cooperation of developer and | * Hard to calculate the final costs, financial and time, due to the flexible nature of the development * Requires highly skilled developer * The rapid timescale of the different releases may be continually changing due to the flexible nature of the model |

Once you’ve the table above State and justify the lifecycle model you chose below

**Resources, skills and methods**

+ talk about Risks? There is a rick asseement bit here: https://learn2.open.ac.uk/mod/oucontent/view.php?id=2067003&section=3.2

**Project Work completed**

**Information sources – the literature**

Document any sources of information you have selected and read. - **LO4**. Gather, analyse and evaluate relevant information to complete the project successfully.

**Project work**

Describe any exploratory work you have completed that begins the work at the heart of the project. - **LO2**. Identify and refine the goals and content of your project which should be within the area of your chosen specialist route, if applicable.

**Review and reflection**