

# Minutes of Meeting Group - 12

## Meeting 1

24/01/2021

- First Meeting of the whole group after formation of the WhatsApp group.
- Agenda: Discussion on what kind of technologies everyone is aware of, some discussion on functional and non-functional requirements that we might be able to implement.
- Conclusion: Get a better idea on how we can implement the project in the next meeting

## Meeting 2

09/02/2021

- Agenda: Discuss more about functional and nonfunctional requirements. Figuring out implementation details
- After discussions in the lab, everyone was supposed to learn more about the stock analysis and prediction softwares available in the market already.
- Conclusion: Functional and Nonfunctional Requirements finalised. Yahoo Finance API to be used to get stock data.

## Meeting 3

22/02/2021

- Agenda: Finalising the Tech Stack to be used for the development purposes and distribution of work
- After proper research, the tech stacks to be used were debated upon and it was decided to use Flask (Python library) for backend and React JS for frontend. Chart JS to be used to display graphs on the frontend.
- Updates on data fetching from Yahoo Finance API
- Conclusion: Division of work on initial basis was done. Group members were advised to understand the technologies they were supposed to learn.

## Meeting 4

14/03/2021

- Agenda: Understanding Git and Github. Updates on the work being done.
- Some YouTube videos were shared earlier to learn more about version control and GitHub.
- Contributors were already added to the GitHub repository.
- People who knew GitHub explained the process of using Command Line Interface (CLI) to add pull requests and merging requests.
- Issues were created after exhaustive discussions.
- Conclusion: Everyone was familiarised with GitHub..

## Meeting 5

02/04/2021

- Agenda: Updates on the work being done and preparation for Mid Sem Evaluation.
- We discussed the system design thoroughly and developed a strong model that would end up helping us in the implementation stage.
- Machine Learning models were ready and accurate predictions were being obtained.
- We realised that using React JS framework for the frontend was overkill. Decided to drop it and took up BootStrap for the frontend.
- Conclusion: Firm decisions taken that might speed up the software development process.

## Meeting 6

09/04/2021

- Agenda: Post Mid Evaluation work division
- Discussion of the questions asked in the exam.
- Discussion of remaining part of the work.
- A small revision of Github usage
- Conclusion: Work assigned for developing the backend server and data visualization in the frontend.

## Meeting 7

18/04/2021

- Agenda: Adding more functionality to the website
- Working with a proper plan after the last meeting the team made huge strides in the development progress.
- We learnt a lot during the requirements elicitation part and brainstormed on how to share our acquired knowledge about the stock market with others.
- Conclusion: Decision to add a blog page and documentation to the website.

## Meeting 8

03/05/2021

- Agenda: Frontend Development
- The website was doing almost all it's work properly but it looked very primitive without proper styling of the frontend.
- Some students in the group took the course of Human Computer Interaction earlier and discussed the principles learnt in the course with others.
- Conclusion: It was decided to develop a minimal yet very intuitive frontend for the website. Buttons were positioned at right places, feedback was taken from everyone on the developed frontend and improvements were to be made.

## Meeting 9

05/05/2021

- Agenda: Integration of the frontend and the backend
- Black box testing was done to find errors in the code.
- Bugs were fixed.

- Conclusion: Routes to be created for frontend pages such as blogs and documentation. Data pipeline to be created to transfer predicted data from the backend to the frontend.

## Meeting 10

06/05/2021

- Agenda: Final Compilation
- Compiling all the artifacts generated while developing the software.
- Adding all the untracked code to Github. Everyone made Pull Requests through the CLI and thoroughly enjoyed the experience.
- PPT for the presentation was designed.
- Discussed achievements, takeaways and mistakes.
- Conclusion: Everything ready for the final presentation.