

## FTGP Group [5]: Sprint 1 Report (22<sup>nd</sup> March)

### Team Members:

1. Jingzhou Hu
2. Junyi Tang
3. Yuxiang Ge
4. Yangshu Wang

### Product Vision:

Our DApp aims to leverage the transparency and security of blockchain technology to develop an innovative decentralised application that ensures user data safety and transaction transparency while providing a user-friendly, efficient online platform.

We have considered various product ideas including Token Exchange, Clinical Practice Based, Musical/Artist Copyright related, Fitness DApp, and even considered Dating DApp... Yet, in the end only two main application stands out and were considered both innovative and viable: one is a second-hand trading market similar to eBay and Xianyu, allowing users to list items for sale on the blockchain and conduct transactions using cryptocurrency (most likely Ether) due to our backend development with Solidity. The second is a ticketing platform akin to Ticketmaster or Viagogo, focusing on offering a reliable, decentralized environment for ticket transactions, which includes direct sales of primary tickets and the resale of secondary tickets. Both ideas aim to explore how blockchain technology can create real-world value while providing a secure, transparent, and decentralised trading platform for users.

However, given that our initial session was a preliminary brainstorming meeting, and our commitment is towards developing an optimal Dapp, we have not settled on a final theme yet. The ultimate decision will be shaped by our collective individual brainstorming in the forthcoming weeks. We decided on assigning each of us a role of coming up at least three different types of both innovative and viable DApp ideas associated with at least three different user stories each, and we aim to achieve this goal approximately two weeks from now, around April 5th, when we plan to converge our ideas and finalise the theme that will guide our development efforts.

### Sprint 1 Planning (Sprint duration 22<sup>nd</sup> March – 19<sup>th</sup> April):

This should summarize your sprint planning meeting. The meeting should be done at the beginning of each sprint. You must specify your sprint vision and select which items from the product backlog you plan on completing during the next sprint (sprint backlog). Additionally, you must select the product owner and the scrum master.

Product Owner: Jingzhou Hu, responsible for defining the product direction, managing the product backlog, and ensuring that the team understands and executes the tasks.

Scrum Master: Jingzhou Hu, responsible for ensuring the team follows agile and Scrum practices, assisting team members in removing impediments, and facilitating communication and collaboration within the team.

### Sprint Vision:

As mentioned in the Product Vision, our plan for the next two weeks is to come up with different ideas on the theme of our DApp and gather to discuss and settle on the final one. As our next sprint is after the Easter Break on Apr 19, we aim to finish brainstorming on Apr 5, and commence the development of our MVB until Apr 19. It would be ideal that we can deliver the MVB by Apr 19. This is just an initial plan which we can adjust according to our real progress.

### Sprint Backlog:

#### Phase 1 (Mar 18 – Apr 5): Brainstorming

1. Each team member should generate at least three innovative and viable DApp ideas, along with at least three user stories for each idea. We should then individually conduct market research on existing DApps in similar domains to ensure the uniqueness of our ideas. We should also investigate the technical feasibility, potential user base, and market demand for each proposed idea. This step is crucial for us to have a diverse range of feasible while innovative options to choose from.
2. Schedule collaborative meetings (probably around Apr 5) to discuss and evaluate the generated ideas. These sessions will be instrumental in narrowing down the choices to the most promising ones. We should engage in activities or structured discussions to reach a consensus on the final theme. This might involve voting, weighing pros and cons, or other decision-making strategies.

#### Phase 2 (Apr 5 – Apr 19): Initial Development

1. Once the theme is decided, we should begin outlining the core features and functionalities of the chosen DApp idea, aligning with the selected user stories. In the meantime, we should explore existing literature to uncover any similar DApp implementations, understanding their architecture, features, and limitations, and gain insights to inform our own design decisions.
2. Next, we should prepare the development environment, tools, and access rights necessary for starting the MVB development.
3. We should be developing and aim to deliver the MVB ideally by Apr 19.

### Anything else you would like to share:

Given that we are yet to finalise the theme of our DApp, our comprehensive Product Backlog will be developed in the subsequent meeting. This future session will be crucial as we'll outline the specific tasks, features, and objectives that the team will focus on in the upcoming Sprint. This approach ensures that our Product Backlog is directly aligned with our finalised project theme and provides a clear, actionable roadmap for our development efforts moving forward.