

## FTGP Group [Group Number]: Sprint 2 Report (19<sup>th</sup> April)

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

This should summarize your sprint review meeting. The meeting should be done at the end of each sprint. You need to identify which tasks from your sprint backlog were completed, which were altered, and which were not completed. Please also use this process to reflect and improve your next sprints.

#### Completed work:

#### **Jingkun Yang:**

**New Component Integration:** the overall framework of the front-end mobile part and the "My" interface as well as the registration and login interface.

**Location:** `mobile/pages.json` and `mobile/pages/login` (forgetPwd.vue, login.vue, register.vue, terms.vue, text.vue, webview.vue).

#### **Features:**

- The mobile phone verification code login interface: This is where users enter their mobile phone number and received SMS verification code to log in to the app or website.
- Password recovery function: Use this to find the password if user forgot it.
- Login interface: Use this to log in to get more information.
- Registration interface: The user is asked to provide the necessary information to establish a profile and account credentials.
- Display HTML content obtained from the back-end
- Embed webpage view: used to display the page pointing to the basic URL obtained from the global configuration and display the content of the Terms of Use of the crowdfunding Chain Project Investment Platform.
- Page routing, global styles, and bottom navigation bar for applications based on the uni-app framework.

#### **Freddie Yu:**

**New Component Integration:** "Project Recommendation"

**Location:** Integrated on the Home page under `mobile/pages/setMeal/`.

#### **Features:**

- Dynamic Task Listings: Automatically displays projects tailored to user preferences and past interactions.

- Project Details Display: Provides key details such as project name, current mileage (progress measure), and total progress, all formatted for optimal mobile user experience.
- Data Navigation: Incorporates stringent form validations and intuitive navigation elements to ensure data integrity and enhance user interaction.

### **Authorized Login Portal:**

Location: Integrated on the Home page under `mobile/pages/index/empower/`.

### **Features:**

- Introduces a secure login gateway for crowdfunding sponsors, crucial for maintaining exclusive access to sponsor interactions.
- Application and Approval Process: Sponsors submit their details and documents for review. Only approved sponsors, validated through an administrative process, receive a digital token. This token confirms their status and opens access to advanced platform features, ensuring engagement is limited to qualified individuals.

### **Aibo Xu:**

#### **New Component Integration: "Rotating chart"**

**Location:** Integrated on the Home page under `mobile\pages\index\college`

The home page has a rotating chart module to display the current hottest crowdfunding projects or the latest industry news. The rotator is designed to play automatically and can be switched manually to ensure that users can get the latest and most concerned information.

#### **New Component Integration: "System message display page"**

**Location:** Integrated on the Home page under `mobile\pages\systemMessage`

Integrates the functions of drop-down refresh and dynamic message list display. The page design focuses on user interaction, allowing users to instantly refresh the latest system notifications and messages through a simple drop-down action. Messages are displayed in an organized timeline.

#### **New Component Integration: "My Assets"**

**Location:** Integrated on the Home page under `mobile\pages\wallet`

This module contains sections for asset viewing, trading operations, record inquiries, customer service, etc. Users can quickly manage and monitor their financial assets, while also providing a channel for communication with customer service to ensure that any problems users may have during use can be resolved in a timely manner.

## Yuyao Wang:

### **Collect images required for front-end development:**

#### **Location: admin-pc/static**

Find images of a unified style to lay the foundation for later development and ensure overall style consistency.

### **Set up common code.**

#### **Location: admin-pc/common**

Set up a common CSS file to ensure consistent web style.

Configure common utilities for data validation and environment configuration, where the checker file is used to determine whether a value is a number and check if a string can be parsed into a JSON object. In the global file, environment variables are initialized.

### **Complete the code design for the administrator login interface.**

#### **Location: admin-pc/pages/login**

This main page is used for administrator login validation, currently not connected to the database.

On this page, users are allowed to enter their phone number (i.e., account) and password for verification.

The task for the coming week is to work with Yunkui Yu to complete some components functionality, as well as the code for the admin page.

## Yunkui Yu:

**Create the admin-components folder** at admin-pc/components/admi-components, which contains all the components for the post-login page actions that will be called from the main page.

### **New Component Integration: "Project Complaints"**

#### **Location: admin-pc/components/admin-components**

It contains the design of the complaint interface, including the addition, deletion, modification, and display of information about each complaint process.

### **New Component Integration: "Blockchain upload records"**

#### **Location: admin-pc/components/admin-components**

It records the blockchain part of the content, including the hash value, the header of the block, the hash value of the previous block and other information.

### **New Component Integration: "Contract Records"**

**Location:** admin-pc/components/admin-components

It contains information related to smart contracts.

**New Component Integration:** " Administrator Interface"

**Location:** admin-pc/components/admin-components

In the current interface administrators can review projects, review milestones, handle project complaints, review user identities, and view information about the blockchain as well as smart contracts.

**New Component Integration:** "Milestone review"

**Location:** admin-pc/components/admin-components

It contains the design of the milestone function, including the display of the project name, the milestone amount, the milestone status, the amount of money raised, and whether to time out. In the current page, administrators can choose to start mileage, pause mileage, or choose to review the release.

#### Changes:

In previous sprint, we haven't begin our programming development. We started our development this sprint so there is no change. We are working hard to complete the front-end build according to the previous plan, and there are no changes to the original plan for sprint 1 at present. After the front and back ends are completed, we will make further modifications according to team members' experience of using the APP.

#### Agreed weekly "Equity share":

Equally distributed, although each member may differ in key status responsibilities. However, to develop as soon as possible and let each team member go through the complete development process, we decided to complete the front-end development together (each team member completes part of the development). In the task assignment of the next sprint, we will assign more targeted tasks according to the areas of team members' expertise. In addition, the team member in charge of product planning completed the flow chart and other contents, the student in charge of front-end undertook more front-end development, and the student in charge of testing checked whether the function of front-end was compound with expectations.

#### **Sprint 2 Planning (Sprint duration 22<sup>nd</sup> – 26<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: Jingkun Yang(Assign frontend task, manage overall task progress)

Scrum Master: Freddie Yu(Synchronize the task progress of each team member)

### Sprint Vision:

Basically, complete the basic functions of the APP front-end, including the mobile part: "customer service", functionality interface, enhancing key UI components; PC part: enhancing admin page. After completing these basic functions, the subsequent front-end will be handed over to a student who is good at front-end for final optimization and processing.

### Sprint Backlog:

#### **Jingkun Yang:**

Improve the framework :

- Define global variables that can be used by different parts of the entire application.
- A module that encapsulates network request functionality for applications developed using the uni-app framework.

New function "customer service" in the front-end mobile section:

- Get the user's details from the backend API.
- Display them on the page.

#### **Freddie Yu:**

Enhancing the `index.js` API module and refining key UI components:

- User Interaction Cards: A flexible UI component for displaying various types of data.
- Comment System: Facilitates discussions on specific projects.
- Deal Selection Interface: Streamlines intuitive deal-making processes.
- Currency Exchange: Enables real-time financial transactions globally.
- News Display: Offers timely and comprehensive news coverage.
- System Notices: Ensures efficient delivery of system-wide notifications.
- System News Updates: Keeps users informed with the latest system developments.

Additionally, the API module will be refined to manage user registration, login, asset tracking, financial transactions, and task management more effectively.

I will also enhance the platform's multilingual support by building an English language library, allowing users to switch languages seamlessly.

### **Yuyao Wang:**

Design admin page:

- Once the administrator logs in, they will enter the admin page, where they can view and manage users, as well as manage existing projects, specifically approving applications for projects, disbursing funds, and also determining whether the project has met its milestone targets to proceed to the next phase of funding.

Complete the components:

There are two components need to be complete this week, they are mainly used to enhance the interactive experience.

- The Transaction part is mainly used to implement transition animations, making animations smoother when opening or closing windows to enhance user experience.
- The Popup part is used for displaying pop-up windows, which requires embedding the transaction component.

### **Aibo Xu:**

Continue to refine the front-end functionality interface, with the main tasks including the following:

Project Management Interface: It will provide a comprehensive overview and detailed information of the project, enabling users to effectively monitor project progress.

Order Processing Interface: It will include the functions of viewing, filtering, and processing orders to enhance users' operational efficiency.

Project details interface: optimized to display project information such as images, descriptions, and prices to support users' purchasing decisions.

In addition, API functionality will be extended to better handle tasks such as user registration, login, and financial transactions.

Encoding Functions: Base64 encoding and decoding will be integrated to ensure secure data transmission.

Tools functionality: Improve development efficiency and user experience, including assistive tools such as alert messages, content copying and page jumps.

At the same time, I will enhance the platform's multi-language support to allow users to seamlessly switch languages and improve the experience of international users.

**Yunkui Yu:**

Add “Project Review” function, administrator can view project specifics, creator information, crowdfunding amount, project information, etc., to decide whether to pass the crowdfunding project or reject the project.

Create u-charts folder in the components folder which is used to create and manage charts based on uCharts library. It supports many types of charts such as bar charts and line chart and provides interactive features in response to touch events.

Adjustment of the existing functional layout, thus making its interface more aesthetically pleasing.