

# **Minutes of the Third Client Meeting**

Group 7

Thursday 7 April 2023

**Chair** Qingyan Yang

**Members** Lize Chen, Yanlin Du, Guochang Chen

**Apologies** None

## **1. Time and Place**

The third group meeting for the MCI Project was held on **zoom meeting at 5:00 pm on Thursday 6 April 2023.**

## **2. Quorum Announcement**

The Chairman announced that a quorum of the group was present, and that the meeting, having been duly convened, was ready to proceed with its business.

## **3. Overview of the project**

The Chairman had shortly introduced the product to the new client: Code Converter is a website that lets users easily convert code from one programming language to another. All features are described: Users input their code and select the output language, then click 'convert' to get the translated code instantly. It supports popular languages like C++, Java, and Python, with plans to add more. The website has extra features like syntax highlighting, sequential mapping, and file import/export. It's free to use and has a user-friendly interface.

## **4. Issues encountered and Solution**

The project is facing a technical risk as the open-source APIs discovered are either expired or incompatible, requiring different configurations. Team member Guochang Chen suggested considering OpenAI's API, however, which charges a fee, going against the project's commitment to being free. To address this, this meeting was arranged with the client to discuss the issue. After presenting the outcome of using OpenAI's API, the client agreed to use it as there was no viable alternative available.

In addition, Dr. Amali suggested adding a dropdown menu for the source and target languages to improve clarity for the user, which all front-end team members agreed.

## 5. Group Accomplishments

5.1 Till this client meeting, the team has accomplished the following tasks:

A static interface layout has been established; in addition, a draft server has been built and the team has conducted experiments with OpenAI's API and found that it meets the project's requirements, and which will be integrated into the backend.

5.2 At the end of the week, to follow through the timeline of milestone1, more accomplishments have been delivered now:

**Frontend:** Team members Qingyan Yang and Lize Chen have completed 2/3 of the frontend, including designing and implementing the interface layout, language selection, and implementing the upload, download, and convert functionality buttons. The Rest of functions like syntax highlighting and line number notation will be accomplished by the other team member Yanlin Du during mid-break.

**Backend:** Team member Guochang Chen will work on server building and open AI API integration during the mid-break.

## 6. Individual Accomplishments Reports

### 6.1 Qingyan Yang

- Participated in all weekly activities including course lecture and tutorial.
- Organized and participated in the third client meeting and routine group meeting.
- Regulated the Git branch management.
- Done the design and implementation of the converter interface.
- Done the features of import and export.

### 6.2 Lize Chen

- Participated in a team meeting to discuss the progress of the Code Converter project and share updates on individual tasks.
- Studied Flexbox.
- Completed the first version of the most basic front-end interface.
- Participated in a team meeting.
- Studied JavaScript Fundamentals.

- Participated in a client meeting and team meeting.
- Implemented click the "convert" button to convert.

### 6.3 Yanlin Du

- Participated in weekly sessions and client meeting.
- Created draft front-end using React framework and push to personal branch.
- Continued studying front-end techniques and experiment within the project.
- Investigated the integration of CodeMirror to implement code editor style format on the page.

### 6.4 Guochang Chen

- Attended tutorial and meeting with client
- Switched API tech stack to openAI
- Write a code snippet to convert python code to Java
- Studied openAI API customer parameter when requesting it
- Kept studying Django to create dependency file

## 7. Project Administration

The backend team member Qingyan was shifted to the frontend team due to the change to OpenAI API, which reduced the backend workload. Currently, each frontend team member has created their own branch to facilitate code review.

## 8. Adjournment

The next formal meeting planned is a *group meeting*, which will be held on **zoom meeting at 7:00 pm on Saturday 15 April 2023 (during mid-break)**. The meeting closed at 5:30 pm.