Techsy – AI services market place

System Analysis & Design Capstone Project Proposal

Team members

Our group has 3 members:

1. Nguyễn Vũ Thiên Trang
- ID: 20194459
- Email: trang.nvt194459@sis.hust.edu.vn
2. Nguyễn Văn Thanh Tùng
- ID: 20190090
- Email: tung.nvt190090@sis.hust.edu.vn
3. Chu Hoàng Dương
- ID: 20194429
- Email: duong.ch194429@sis.hust.edu.vn

We are under the guidance of: PhD. Nguyễn Nhật Quang
- Email: quang.nn@soict.hust.edu.vn
- Subject: System Analysis & Design
- Subject ID: IT3120E

Proposed system description

Usage scenario

In real life, people sometimes have problems with the office work like summarizing reports, convert text to speech, scanning text images, etc. Instead of typing manually, customers can search for useful services and use them. Each time using the service may cost some corresponding fee.

Purpose of use

Our team play a role as the sellers, administrators. We provide a web platform, and the developed services (tools, functions, features) integrated with this web platform such as:

- Text summarizer
- Text to speech converter
- Image text scanner

Users of the website are also our customers; they can find the desired services and purchase the services provided by our platform.

Platform features

Out platform provides the following features:

- User information features:

    - Register, login account: authenticated username and password.
    - Manage personal information: phone, password, name, email.
- User usage packages:
    - Turn-based services
    - Monthly, yearly combo.
- User payment methods:
    - Internet banking
- AI services rental:
    - Order an AI services
    - Process the order
    - Return the result
- Billing statistics:
    - Dashboard

Execution plan

For this project, we will follow the Rational Unified Process (RUP). Below is the expected execution plan:

1. **Inception phase:**

- Preliminary study: before November 16th, 2022.

2. **Elaboration phase:**

- Identify/ describe the use cases and the classes/ objects: November 17th to November 23rd, 2022.
- Interactions and behavior modeling: November 24th to November 30th, 2022.

3. **Construction and Transition phase:**

- Detailed design the system architecture: December 1st to December 7th, 2022.
- Create the user interface: December 8th to December 14th, 2022.
- Implementation: December 15th to December 31st, 2022.

4. **Final report and presentation:**

- Under the arrangement of PhD. Nguyễn Nhật Quang.
- January 1st to January 9th, 2023.