**CAPSTONE PROJECT PLAN**

Class: FE FPTU DN Duration time: from 05/09/2023 To 31/12/2023

1. **Register information for supervisor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Full name** | **Phone** | **E-Mail** | **Title** |
| Supervisor 1 | Nguyễn Phương Tâm | 0904692410 | Tamnp4@fe.edu.vn | BM SE |

1. **Register information for students**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Full name** | **Student code** | **Phone** | **E-mail** | **Role in Group** |
| Student 1 | Nguyễn Trọng Hiếu | DE150078 | 0912162551 | hieuntde150078@fpt.edu.vn | Leader |
| Student 2 | Trần Đức Toàn | DE150339 | 0796631339 | toantdde150339@fpt.edu.vn | Member |
| Student 3 | Võ Thành An | DE150318 | 0373385291 | anvtde150318@fpt.edu.vn | Member |
| Student 4 | Thái Hòa | DE150209 | 0787662322 | hoatde150209@fpt.edu.vn | Member |
| Student 5 | Trịnh Công Hậu | DE150179 | 0935254877 | hautcde150179@fpt.edu.vn | Member |

1. **Project information**

**3.1. Project name:**

English: Building an Online Tutoring System using ReactJS technology, Java (Spring Boot framework), API, MySQL Server.

Vietnamese: Xây dựng Hệ thống gia sư trực tuyến sử dụng công nghệ ReactJS, Java (Spring Boot framework), API, MySQL Server.

Abbreviation:BOTS

**3.2. Objectives – Scopes**

Brief description of the goals and scope of the project: attention to novelty (technology, algorithms..), products/research results]

Objective: Build a website to create a tutoring environment for students and provide lectures for students, helping sports enthusiasts easily find matches to interact with other teams. In addition, it also helps tutors add simulated practice exercises to their lessons.

Scope : Vietnam

1. Theory and practice (document):

[Topics/tools/technology to be studied]

* **Technologies:** 
  + Front-end: React.js , HTML, CSS, JS, MUI.
  + Back-end: Java (Spring Boot framework), API, JPA
  + Database: MySQL Server.
  + Realtime Web Application: WebSocket API
  + Source version control: Github

1. **Program:**

[List the modules and tasks for each agent that the program will perform]

**The application features for user:**

1. Authentication (Login, register, log out, forget password, change password)
2. Manage personal profile information.
3. Register as a tutor or student
4. View tutor information: the teaching experience and rating of each student who rated that tutor.
5. Sign up for a tutor and schedule a lesson with that tutor
6. Tutor Reviews

**The application features for owner football field:**

1. Manage tutoring schedule (create, update, delete, view, ...)
2. Manage that tutor's students (approve/reject clients)
3. Revenue statistics of that tutor's number of students

**The application features for admin:**

1. Account management (view accounts, approve/decline tutor accounts)
2. Manage all tutors and students
3. Web revenue statistics
4. Advertising and marketing management

**Other application features for website:**

1. Real-time notifications for users when interacting with the system (forgot password feature)
2. Email features like forgot password, hotel room creation confirmation
3. Discount for users when there is a discount program
4. Remember account after login by session
5. **Non-functional objectives:**

[List the non-functional goals that the program needs to response]

* User-friendly interface.
* Ensure 1000 concurrent visitors without any problems.
* Absolute confidentiality of user's personal information.
* Runs on many browsers.
* Maintenance will be done every 6 months.

Đà Nẵng, 10/08/2023

**Supervisor Group members**

*(Sign and full name) (Sign and full name)*

Nguyễn Phương Tâm Nguyễn Trọng Hiếu

Võ Thành An

Trần Đức Toàn

Thái Hòa

Trịnh Công Hậu