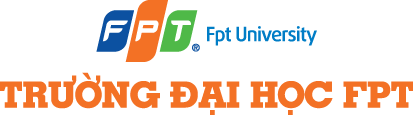
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**CAPSTONE PROJECT REGISTER**

Class: Duration time: from 5/9/2023. To 5/12/2024

(\*) Profession: <Software Engineer> Specialty: <ES> <IS> <JS>

x

(\*) Kinds of person make registers: Lecturer Students

x

1. Register information for supervisor (if have)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Full name** | **Phone** | **E-Mail** | **Title** |
| Supervisor | THÂN THỊ NGỌC VÂN |  | [VanTTN2@fe.edu.vn](mailto:VanTTN2@fe.edu.vn) | Mrs. |

2. Register information for students (if have)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Full name** | **Student code** | **Phone** | **E-mail** | **Role in Group** |
| 1 | Đỗ Thị Kim Hậu | SE161983 |  | haudtkse161983@fpt.edu.vn | Leader |
| 2 | Dương Bình An | SE161205 |  | AnDBSE161205@fpt.edu.vn | Member |
| 3 | Nguyễn Thị Anh Trúc | SE160078 |  | Trucntase160078@fpt.edu.vn | Member |
| 4 | Phạm Thái Duy | SE161913 |  | Duyptse161913@fpt.edu.vn | Member |

3. Register content of Capstone Project

(\*) 3.1. Capstone Project name:

* English: Camera-Services.com
* Vietnamese: Xây dựng website để kết nối giữa bên bán/ cho thuê với người có nhu cầu mua/thuê trang thiết bị máy ảnh.

**Context:**

In today's fast-paced world of photography and videography, there is a significant gap between camera owners and those in need of quality equipment for their projects. Many photographers and videographers struggle to find affordable, high-quality gear for short-term use, while camera owners often have expensive equipment sitting idle.

**Proposed Solutions**

Develop a website to connect sellers/renters of cameras with people looking to buy/rent cameras in Ho Chi Minh city( Viet Nam). Additionally, the website offers services such as renting equipment/accessories (lenses, tripods, etc.). The website includes four roles: Shop(Owner), Renter, Staff, Admin, Guest.

Benefits:

For Shop: Monetize idle equipment by renting it out to a large audience, ensuring a return on investment.

For Renters: Access a wide range of high-quality equipment at affordable rates

For the platform: promoting collaboration, connecting and sharing of resources

**Functional requirements**

**The system includes actors:**

**For admin:**

**-** Manage users: include view, search, block/unblock users (only renters, staffs)

**-** Manage parameter values to run the system and policy(view, update, create)

- Manage reports from users

- Manage the system’s policies such as: sell, buy, rent, shipping, etc.

- View ratings and comments on products/shops . Can delete comments that violate standards

**For Staff:**

- Manage all shop’s accounts and shop’s products : view, search, tracking about shop’s status, approve .

- Track order statuses of all shops, resolve issues that arise with orders all shops

- View statistic the system

- Manage services, categories of the system.

- View transactions of all shops

**For shop**:

- Update profile

- Manage the shop’s products(buy/rent): view, search, update the product’s status

- Manage the product’s price , rating, comment

- View reports

- Manage the shop’s policies/terms (they don’t conflict with the system’s policies. Additionally, because the products are quality, expensive equipment, so the renter must be follow those policies))

-Manage the shop’s orders: view, search, update orders status

-View statistic

-Manage the shop’s transactions

**For Renter:**

- Update profile

- View products for buy/rent

- Create order(buy/rent)

- Order history(buy/rent): view, update orders

- View, search transactions

- Report products/shop/system

- Comment, feedback products

- View buy/rent policies of the shop/system. Note that: Because the pro

**For Guest:**

- View The shop information

- View, search products for buy/rent

- register an account to become a member( the shop’s account must be approved by the staff)

- **Non-functional requirement**

User-Friendly Interface: A seamless, intuitive design that makes searching for and listing equipment a breeze.

There are strict terms regarding the rental of camera equipment to ensure safe and reliable transactions for both owners and renters

The product can use Vietnamese(optional English)

(\*) 3.2. Main proposal content (including result and product)

**Theory and practice (document):**

Students should apply the software development process and UML 2.0 in the modeling system.

The documents include User Requirements, Software Requirement Specification, Architecture Design, Detail Design, System Implementation and Testing Document, Installation Guide, sources code, and deployable software packages

Server-side technologies:

* + Server: ASP.NET Core API, Firebase or other suitable technologies
  + Database System: SQL Server or other suitable technologies
* Client-side technologies: suitable technologies

**Products:**

Web-app for admin, staff, shop.

Mobile-app for renter,guest

**Proposed Tasks for Students:**

* Task package 1: Develop the API for the system.
* Task package 2: Develop the web application for Admin,staff.
* Task package 3: Develop the web application for renter.
* Task package 4: Develop the web application for shop.
* Task package 5: Build – Deploy and Test the system.
* Task package 6: Prepare all the required documents: System analysis and design, test plan, installation manual, and user manual.
* Notice: all students are required to understand the reference documents thoroughly and may need to explain to the viva committee.
* All above features are only basic information. The team needs to analyze more requirements so the product can be used easier.

4. Other comments (propose all relative things if have)

|  |  |
| --- | --- |
| **Supervisor (If have)**  *(Sign and full name)* | HCM, date 3/07/2024  **On behalf of Registers**  *(Sign and full name)* |

***Thân Thị Ngọc Vân***