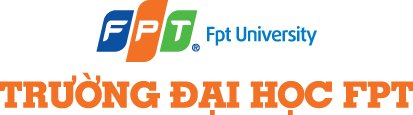
**

**CAPSTONE PROJECT REGISTER**

Class: Duration time: from ..…05/09/2023…. To .30/11/2023

(\*) 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 1 | Nguyễn Thị Cẩm Hương | 0909912347 | huongntc2@fpt.edu.vn | Mrs. |
| Supervisor 2 | Lâm Hữu Khánh Phương | 0915353001 | [phuonglhk@fpt.edu.vn](mailto:phuonglhk@fpt.edu.vn) | Mr. |

2. Register information for students (if have)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Full name** | **Student code** | **Phone** | **E-mail** | **Role in Group** |
| Student 1 | Thái Quốc Toàn | SE151272 | 0886448660 | [toantqse151272@fpt.edu.vn](mailto:toantqse151272@fpt.edu.vn) | Leader |
| Student 2 | Trần Phú Sơn | SE150552 | 0914360736 | [sontpse150552@fpt.edu.vn](mailto:sontpse150552@fpt.edu.vn) | Member |
| Student 3 | Lê Hồng Thành | SE150023 | 0372227898 | [thanhlhse150023@fpt.edu.vn](mailto:thanhlhse150023@fpt.edu.vn) | Member |
| Student 4 | Võ Vỹ Khang | SE150103 | 0944586962 | [khangvvse150103@fpt.edu.vn](mailto:khangvvse150103@fpt.edu.vn) | Member |
| Student 5 | Lê Xuân Bách | SE150031 | 0982856649 | [bachlxse150031@fpt.edu.vn](mailto:bachlxse150031@fpt.edu.vn) | Member |

3. Register content of Capstone Project

(\*) 3.1. Capstone Project name:

* English: Order Management System for Multi-Brand Kitchen Center.
* Vietnamese: Hệ thống quản lý đơn hàng cho mô hình bếp chung đa thương hiệu.
* Abbreviation: MBKC

1. Context and Proposed Solutions

MBKC is an online order management system, and this system is built on the multi-brand kitchen center model. MBKC is built to solve some of the problems faced by consumers who are partners of e-commerce system such as Grabfood, Baemin, etc. As well as businessmen in the culinary field who are looking to start their businesses:

* The multi-brand kitchen center model is built to support those who want to do business in the culinary field but do not have kitchen space to process. This model will provide them with an appropriate area for their needs.
* In addition, this model also supports businessmen in terms of personnel because the multi-brand kitchen center model has the staff to support them in giving the orders to the shipping unit of the e-commerce systems that they joined. The staff of the multi-brand kitchen center also helps them collect money from the shipping units for their delivered orders. Therefore, when businessmen use kitchens at these centers, they will reduce costs regarding human resources.
* When businesses in the culinary field use many e-commerce systems, it is difficult for them to manage all orders. This can have a big impact on their business. MBKC system helps them unify the order management process for stores at the same kitchen center. This can help them optimize the process of receiving orders from e-commerce systems.

1. Functional Requirements

- MBKC Admin: a person who manage the MBKC system.

* Manage Kitchen Centers
* Create Kitchen Center
* View Kitchen Centers
* View Kitchen Center
* Update Kitchen Center
* Delete Kitchen Center
* Manage Brands
* Create Brand
* View Brands
* View Brand
* Update Brand
* Delete Brand
* Manage Stores
* View Stores
* View Store
* Confirm Store Registration From Brand
* Delete Store
* Manage Partners
* View Partners
* View Partner
* Update Partner
* Manage System Configuration
* View Configurations
* Update Configuration

- Brand Manager: a person who use the areas in the kitchen centers.

* Manage Profile
* View Profile
* Change Password
* Manage Product Categories
* Create Category
* Add Extra Category to Normal Category
* View Categories
* View Category
* Update Category
* Delete Category
* Manage Products
* Create Product
* View Products
* View Product
* Update Product
* Delete Product
* Manage Stores
* View Stores
* View Store
* Register New Store
* Update Store
* Mange Store Partners
* View Store Partners
* View Store Partner
* Add New Store Partner
* Update Store Partner
* Manage Partner Products
* View Partner Products
* View Partner Product
* Create Partner Product
* Update Partner Product
* Delete Partner Product

- Kitchen Center Manager: a person who is assigned to manage a kitchen center by MBKC admin.

* Manage Kitchen Center’s Stores
* View Kitchen center’s Stores
* View Kitchen center’s Store
* Manage Kitchen Center’s Cashiers
* Create Kitchen Center Cashier
* View Kitchen Center Cashiers
* View Kitchen Center Cashier
* Update Kitchen Center Cashier
* Delete Kitchen Center Cashier
* Manage Kitchen Center's Wallet
* View Balance
* View Money Exchanges
* View Shipper Payments
* Manage Kitchen Center’s Orders
* View Kitchen Center’s Orders
* View Kitchen Center’s Order
* Manage Kitchen Center’s Banking Account
* View Banking Accounts
* View Banking Account
* Create Banking Account
* Update Banking Account
* Delete Banking Account
* Manage Payment For Stores
* Create Payments for Store
* View Payment for Store
* View Payment for Store

- Store: a store which belongs to a specific brand.

* Manage Profile
* View Profile
* Change Password
* Manage Orders
* View Orders
* View Order
* Confirm Finished of Preparing Order
* Cancel Order
* Manage Store's Wallet
* View Balance
* View Shipper Payments
* View Money Exchanges
* Manage Product
* View Products
* View Product

- Cashier: a person who is a member of the specific kitchen center that plays the role of representative for all of the Stores in the kitchen center to give the finished order to the deliveries and take the cash from them.

* Manage Profile
* View Profile
* Change Password
* Manage Orders
* View Orders
* View Order
* Confirm Status Order to Ready Delivery
* Create Shipper Payment
* Manage Wallet
* View Balance
* View Money Exchanges
* View Shipper Payments
* Create End Of Shift

1. Non-Functional requirements

* The system should be secured and protect the privacy, user, and brand information.
* GUI must be simple, friendly, and easy to use.
* The language used in the application is English, Vietnamese.
* The system support to web application for MBKC admin, kitchen center manager, brand manager, cashier and mobile application for store.

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

1. Theory and practice (document):

* Student should apply the software development process and UML 2.0 in modelling system.
* The documents include User Requirement, Software Requirement Specification, Architecture Design, Detail Design, System Implementation and Testing Document, Installation Guide, sources code, and deployable software packages
* Server side technologies:
  + Server: .NET Core, Entity Framework Core…
  + Database Design: SQL Server.
* Client side technologies:
  + Web Client: React JS.
  + Mobile Client: Flutter.

1. Products:

* APIs for the system
* Web application for MBKC admin
* Web application for brand manager
* Web application for kitchen center manager
* Web application for cashier
* Mobile application for Store

4. Other comment (propose all relative thing if have)

|  |  |
| --- | --- |
| **Supervisor (If have)**  *(Sign and full name)* | HCM, date …… ………. /20 …..  **On behalf of Registers**  *(Sign and full name)* |