

**CAPSTONE PROJECT REGISTER**

Class: Duration time: from ..…….../2022 To ..….…./2022

(\*) Profession: Software Engineer Specialty: IS

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

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1. Register information for supervisor (if have)

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| --- | --- | --- | --- | --- |
|  | **Full name** | **Phone** | **E-Mail** | **Title** |
| Supervisor 1 | Đoàn Nguyễn Thành Hoà | 0985050004 | hoadnt@fe.edu.vn | Mr. |
| Supervisor 2 |  |  |  | Mr. |

2. Register information for students (if have)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Full name** | **Student code** | **Phone** | **E-mail** | **Role in Group** |
| 1 | Nguyễn Phan Phước Anh | SE140916 | 0968831072 | anhnppse140916@fpt.edu.vn | Leader |
| 2 | Huỳnh Phúc Duy | SE140893 | 0908690095 | duyhpse140893@fpt.edu.vn | Member |
| 3 | Võ Tấn Đạt | SE141118 | 0383445036 | datvtse141118@fpt.edu.vn | Member |
| 4 | Nguyễn Võ Hoàng Long | SE140908 | 0398417370 | longnvhse140908@fpt.edu.vn | Member |

3. Register content of Capstone Project

(\*) 3.1. Capstone Project name:

English: UtNhan drug store management

Vietnamese: Phần mềm quản lý cho nhà thuốc Út Nhàn

Abbreviation: Nowadays, there are many pharmacies and private enterprises dealing in pharmaceuticals, especially during and after the covid-19 period. Although there are many applications on the market to support pharmacy management for pharmacies, it is completely impossible to match the overall and optimize the operation of each business. So our Pharmacy Management application was born with the aim of optimizing the operations of a particular pharmacy and also extending to the pharmacy chain based on the performance of the first store. The application is laid out with the convenience of use and operation of a particular pharmaceutical retail business.

Build an application that provides the following services:

* Monitor the import, export pharmaceutical progress
* Manage staff, manager information using the app
* Manage pharmaceutical inventory by consignment
* Manage pharmaceutical classification
* Manage notifications
* Warning out-of-date pharmaceutical
* Manage expense, revenue, profit
* Manage pharmaceutical selling price
* Manage invoice
* Manage history invoice

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

1. Theory and practice (document):

* Students should apply the software development process and the UML
* Software artifacts include User Requirement, Software Requirement Specification, Architecture Design, Detail Design, System Implementation, and Testing Document, Installation Guide, source code, and deployable software packages.
* 3 tiers should be applied.
* Server-side technique:
  + Database design – PostgreSQL/SQL Server/MySQL, Entity Framework, .Net, Azure, Firebase, JWT, RESTful API.
* Client-side technique:
  + HTML5, CSS3, TypeScript, ReactJS, Axios, SCSS, Firebase, Dart – Flutter.
* Communication technique:
  + Exchange information and transfer data effectively in networks.
  + Real-time communication.

1. Program:

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| **#** | **FRBMS Item** | |
| ***1*** | ***Web Application for Admin*** | |
| 1.1 | Search Staff, Manager | |
| 1.2 | Ban Staff, Manager | |
| 1.3 | Unban Staff, Manager | |
| 1.4 | Create Staff, Manager | |
| 1.5 | Update Staff, Manager | |
| 1.6 | View Staff, Manager information | |
| 1.7 | Search pharmaceutical | |
| 1.8 | View all pharmaceutical information | |
| 1.9 | View expense, revenue, profit | |
| 1.10 | View all invoice | |
| 1.11 | View all invoice’s detail | |
| 1.12 | View all notification | |
| 1.13 | View notification’s detail | |
| 1.14 | Turn on/off notification | |
| 1.15 | Login | |
| 1.16 | Logout | |
| ***2*** | ***Web Application for Manager*** | |
| 2.1 | Create consignment of pharmaceutical | |
| 2.2 | View all pharmaceutical information | |
| 2.3 | Update pharmaceutical | |
| 2.4 | View all invoice | |
| 2.5 | View all invoice’s detail | |
| 2.6 | Search Staff | |
| 2.7 | View Staff information | |
| 2.8 | Setup pharmaceutical selling price | |
| 2.9 | View notification | |
| 2.10 | View notification’s detail | |
| 2.11 | Turn on/off notification | |
| 2.12 | View manager’s profile | |
| 2.13 | Login with Phone number | |
| 2.14 | Login with google | |
| 2.15 | Forgot password | |
| 2.16 | Update password | |
| 2.17 | Logout | |
| ***3*** | ***Mobile Application for Staff*** | |
| 3.1 | Search pharmaceutical | |
| 3.2 | View all pharmaceutical information | |
| 3.3 | Add pharmaceutical to order | |
| 3.4 | Update pharmaceutical in order | |
| 3.5 | Delete pharmaceutical in order | |
| 3.6 | Create invoice | |
| 3.7 | View invoice | |
| 3.8 | View invoice’s detail | |
| 3.9 | View notification | |
| 3.10 | View notification’s detail | |
| 3.11 | Turn on/off notification | |
| 3.12 | View staff’s profile | |
| 3.13 | Login with Phone number | |
| 3.14 | Login with google | |
| 3.15 | Forgot password | |
| 3.17 | Update password | |
| 3.18 | Logout | |
| ***5*** | ***System*** | |
| 5.1 | Notify to Staff/Manager/Admin | |
| 5.3 | Handle all API | |
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4. Algorithms:

- Send notifications to drivers when there is a new campaign based on the driver's matching information with the campaign

- Process image by analyzing and manipulating the image then output in which result can be altered image or a report which is based on analyzing that image.

5. Other comments (propose all relative thing if have): reference papers

- [Dành cho Tổ chức quảng cáo (drivadz.vn)](https://www.drivadz.vn/hoi-dap/danh-cho-to-chuc-quang-cao/)

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