**CAPSTONE PROJECT REGISTER**

Class: Duration time: from 08/05/2017 to 25/08/2017

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

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

X

1. **Register information for supervisor**

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| --- | --- | --- | --- | --- |
|  | **Full name** | **Phone** | **E-Mail** | **Title** |
| Supervisor 1 | Hoàng Nhạc Trung | 0905038345 | trung.hoangnhac@gmail.com | Mr. |

1. **Register information for students**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Full name** | **Student code** | **Phone** | **E-mail** | **Role in Group** |
| Student 1 | Nguyễn Kim Khôi | SE61604 | 01263228045 | Khoinkse61604@fpt.edu.vn | Leader |
| Student 2 | Trần Doãn Thiện | SE61408 | 0963276538 | Thientdse61408@fpt.edu.vn | Member |
| Student 3 | Nguyễn Nhật Nam | SE61431 | 01666860786 | [Namnnse61631@fpt.edu.vn](mailto:Namnnse61631@fpt.edu.vn) | Member |
| Student 4 | Nguyễn Lê Đức Thành | SE61643 | 0944487033 | Thanhnldse61643@fpt.edu.vn | Member |

1. **Register content of Capstone Project** 
   1. **Capstone Project name:**

English: E-Mall

Vietnamese: Mall điện tử.

Abbreviation:

* Easyshop.
* A web application and mobile app that provides following main services:
  + **Create/Update/Delete/Search Store**
  + **Hire partner.**
  + **Create shipper community provides shipping service.**
  + **Suggest products base on customer’s shopping habit.**
  1. **Main proposal content (including result and product):**

1. **Theory and practice (document):**
   * Student 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 packages.
   * 3 tiers should be applied.
   * Server side technique:
     + Database design, OOAD, OOP, MVC, .NET, Android.
   * Client side technique:
     + HTML5, CSS3, Angular 2, Jquery, Android, Boostrap 3.
   * Communication technique:
     + Both web application and mobile device communicate via API.
2. **Program:**
   * Main functions:
     + **Create/Update/Delete/Search Store:**

* User can create store after logging in the system. The register request will be sent to server with required document. System master will check the document and then decide to approve for activating or not. An unapproved store will be unable to do any provided functions for store owner.
* An approved store can create/update/delete and search product.
* The User who sent the register request will be decided as the store owner.
* Store owners still be able to use all member’s functions and their own stores.
  + - **Hire partner:**
* Store owner can post hiring announcement then the others can see and apply.
* The candidate will go to store page and apply for hiring position.
* Store owner is the one who can choose the candidates.
* An approved partner can fully use the store’s functions but it will be put in “waiting for approve” status and store owner is the one to approve.
* Partner can approve for exporting order.
  + - **Shipping (mobile):**
      * A user after logging in the system can apply for shipper. Shipper will have to send an e-mail or apply directly at the website owner office for checking profile. Approved Shipper can fully use the provided functions.
      * Shipper can sort which order is waiting for shipping near them. The store owner and their partner can also choose who to ship. The required information about the order will be included in order then Shipper can choose which one to take and ship.
      * Shipper is divided into 2 types: can ship COD or not. Therefore, once user chose COD transaction, the shipper who is not approved for shipping cod will be unable to see orders when sorting.
    - **Suggestion:**
      * Base on customers shopping habit, the system will recommend some products that they may like.
      * For stores that want to run marketing campaign they can easily target customer.

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

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| **Supervisor (If have)**  *(Sign and full name)* | May 12 , 2017  **On behalf of Registers**  Nguyễn Kim Khôi |
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