

**GRADUATION THESIS REGISTER**

Class: Duration time: from / /2025 To / /2025

(\*) Profession: < Software Engineering> Special < **IS** > < JS >

🗹

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

🗹

1. Register information for supervisor (if have)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Full name** | **Phone** | **E-Mail** | **Title** |
| Supervisor 1 | Nguyễn Tấn Phúc | 0909 602650 | phucnt40@fe.edu.vn | Mr. |
| Supervisor 2 (if have) |  |  |  |  |

2. Register information for students (if have)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Student code** | **Full name** | **Phone** | **E-mail** | **Role in Group** |
| 1 | SE173455 | Hồ Đắc Nhân Tâm | 0974832634 | TamHDNSE173455@fpt.edu.vn | Leader |
| 2 | SE173438 | Trần Phủ Phước | 0963560027 | PhuocTPSE173438@fpt.edu.vn | Member |
| 3 | SE173598 | Tăng Hoàng Danh | 0902787033 | DanhTHSE173598@fpt.edu.vn | Member |
| 4 | SE173555 | Phạm Tiến Đạt | 0947136327 | DatPTSE173555@fpt.edu.vn | Member |
|  |  |  |  |  |  |

3. Register content of Graduation Thesis

3.1. Graduation Thesis name:

* English: Application to schedule nursing appointments at home.
* Vietnamese: Ứng dụng đặt lịch điều dưỡng tại nhà.
* Abbreviation: Curanest

1. **Context:**

People's needs for health care are growing as modern living grows more advanced. Many people are choosing home nursing services to take better care of their health, in addition to routine health examinations at medical facilities.

The practice of nursing professionals providing patients with medical attention and support services in their homes is known as home nursing. Helping patients continue their treatment and health management at home is the goal of home nursing. This promotes healing and stabilizes health while lowering the need for patients to visit the hospital.

Additional emotional and psychological support that nursing services offer to patients and their families includes counseling, listening, and assisting in managing stress and challenges.

1. **Proposed solution**

Provide a Web application for administrators, nurse and mobile application for Elderly people (Patient's family or Patient), support:

- System administrator: Responsible for system management, system configuration, revenue statistics, nursing activities and work schedules.

- Nurse: register for activity schedule; confirm information and work schedule; update patient care records, …

- The customer (who may be the patient or a member of the patient's family) can: create a new account, create a patient profile, pre-select services, schedule services, look for nurses in my region, make an appointment,...

**Functional requirement**

* **Web Application**

1. Services
2. Human Resources
3. News
4. Recruitment
5. Contact

* **Web Application for Admin:**

1. Login/logout
2. Manage Nurse
3. Manage App user
4. Manage Services
5. Manage News
6. Manage Recruitment
7. View statistics.

* **Web Application for Nurse**

1. Login/logout
2. Submit a nursing application.
3. Register a weekly work schedule
4. View patient profile information on the client's appointment calendar
5. Confirm work schedule
6. Appointment schedule
7. Appointment results.
8. Reject or accept a client's appointment
9. Review appointment history
10. View client's reviews and feedback

* **Web Application for Customer:**

1. Login/logout
2. Register a new account
3. Register a patient profile.
4. Register a patient service
5. Schedule an appointment with a service that suits the patient
6. Schedule an appointment with a nurse
7. Search for nurses in the surrounding area
8. View reviews, comments, information about nurses
9. Adjust an appointment
10. Give feedback, review or search for a nurse who has an appointment

* **Mobile Application for Nurse:**

1. Login/logout
2. Submit a nursing application.
3. Register a weekly work schedule
4. View patient profile information on the client's appointment calendar
5. Confirm work schedule
6. Appointment schedule
7. Appointment results.
8. Reject or accept a client's appointment
9. Review appointment history
10. Notification

* **Mobile Application for Customer:**

1. Login/logout
2. Register a new account
3. Register a patient profile.
4. Register a patient service
5. Schedule an appointment with a service that suits the patient
6. Schedule an appointment with a nurse
7. Search for nurses in the surrounding area
8. View reviews, comments, information about nurses
9. Adjust an appointment
10. Give feedback, review or search for a nurse who has an appointment
11. Notification
12. **Non-functional requirement**

* Real-time ordering
* Third party payment
* Notifications

3.2. Main proposal content (including results and products)

1. **Theory and Practice:**

* Students should apply the software development process and UML 2.0 in the modeling 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.
* Technology Server-side technologies:
  + Server: Golang, Docker, Linux
  + Database Design: MySQL, Redis
* Client-side technologies:
  + Web Client: NextJS
  + Mobile App: ReactNative

1. **Products:**

* Web API for System.
* Web App for Admin, Manager, Staff and Customer
* Mobile App for Customer,

1. **Proposed Tasks:**

* Task package 1: Develop the Web application.
* Task package 2: Develop a mobile app (Android or IOS).
* Task package 3: Build – Deploy and Test the system.
* Task package 4: Prepare all the required documents: System analysis and Design, Test plan, Installation manual, User manual.

4. Other opinions (suggest all relevant things if any)

|  |  |
| --- | --- |
| **Supervisor (If have)**  *(Sign and full name)* | Ho Chi Minh, date / /2025  **On behalf of Registers**  *(Sign and full name)* |