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| |  |  |  | | --- | --- | --- | | **C:\Users\sonnx0907\Desktop\Untitled.png** | **MINISTRY OF EDUCATION AND RAINING** | | | **FPT UNIVERSITY** | | |
| Capstone Project Document |
| Hospital Finder |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | **Group 11** | | | **Group Members** | Lê Phước Việt – Team Leader – SE60706  Nguyễn Xuân Sơn – Team Member – SE60727  Vũ Nhật Anh Khoa – Team Member – SE60817  Dương Thị Hoàng Anh – Team Member – 60434 | | **Supervisor** | Nguyễn Đức Khoan | | **Ext Supervisor** | N/A | | **Capstone Project code** | HospitalF | | |
| - Ho Chi Minh City, May / 2014 - |

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**Report No.3: System Requirement Specification (SRS)**

1. **User Requirement Specification**
   1. **Guest requirement**

Guests are the people who can use the system without any authentications process. They are supported with the following functions below:

* Search hospitals and clinics base on:
  + - Patients’ conditions.
    - Centers with high rating base on patients’ conditions.
    - Centers in a specific area in Vietnam.
    - Centers around current location or at a specific location address.
    - Centers that locate at a specific distance reference to current location.
* They can also view information, comment or rating about a specific hospital or clinic.
* Make appointment online.
* Feedback about information of the system.
  1. **Normal User requirement**

Normal Users are the people who use the system with their specific authenticated Facebook accounts. They have the right to use all the functions that supported for Guests (except Login), and the following functions below:

* Rating hospitals or clinics.
* Comment or reply comments about any hospitals or clinics.
  1. **Hospital User requirement**

Hospital Users are the people who have special accounts to manage information of a specific hospitals or clinic. They are supported with the following functions below:

* Update account information
* Manage information about their hospitals or clinics.
* View users’ feedback about their hospitals or clinics.
* Add doctor
* View statistics about their business.
* Number of appointments in a month.
* Number of appointments throughout a year.
  1. **Administrator requirement**

Administrators are the people who have the highest priorities in the system. They are supported with the following functions below:

* Create hospital users’ accounts.
* Manage normal and hospital users.
* View users’ feedback.
* Manage and import list of hospitals or clinics.
* View statistics about the system:
* Number of visitors monthly
* Number of visitors throughout a year
* Number of new hospital users monthly

1. **System Requirement Specification**
2. **External Interface Requirements**
3. **User Interfaces**

User interface of the website must be clear and easy to use.

Mobile interface must be compatible with multiple sizes of smart phone and tablet screens.

Error messages must be highlight, easy to see and understand, and do not contain disturb or abused words or grammars.

1. **Software Interfaces**

Web browser: Google Chrome and Fire Fox

Support Java Script and HTML5

1. **Communication Protocol**

HTTP Protocol will be used to communicate between web browsers, Android devices and web server.

1. **Function Requirements**
2. **System Overview**
3. **Use case List**
   * 1. **<GU> Overview Use Case**
     2. **<GU> Login**
     3. **<GU> Search Hospital <US>**
     4. **<GU> View Hospital Information <US>**
     5. **<GU> Search Doctor**
     6. **<GU> Make Appointment Online <US>**
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     13. **<US> Comment**
     14. **<US> Reply Comment**
     15. **<US> Rating Hospital**
     16. **<US> Change Password**
     17. **<US> Reclaim Forgotten Password**
     18. **<US> Logout**
     19. **<HU> Overview Use Case**
     20. **<HU> Add New Doctor**
     21. **<HU> Search List of Doctors**
     22. **<HU> Update Doctor Information**
     23. **<HU> Upload Photo <AD>**
     24. **<HU> Update Hospital Information <AD>**
     25. **<HU> View List of Appointments**
     26. **<HU> View Hospital Statistics**
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     28. **<AD> Overview Use Case**
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     37. **<AD> Search List of Hospitals**
     38. **<AD> Update Hospital Information <HU>**
4. **Non-Functional Requirements**
5. **Reliability**

Locations and information of hospitals and clinics must be precise as it be in reality.

1. **Availability**

Services of the system must be provided 24/24.

1. **Security**

Information of users must be kept secretly.

Each type of user has a specific priorities in the system.

Always check for authorization before executing any business.

1. **Maintainability**

Code for Controller, Model, and View must be divided clearly.

Complicated query must be written in Structure Query Language (SQL).

All constant values and error messages

1. **Portability**

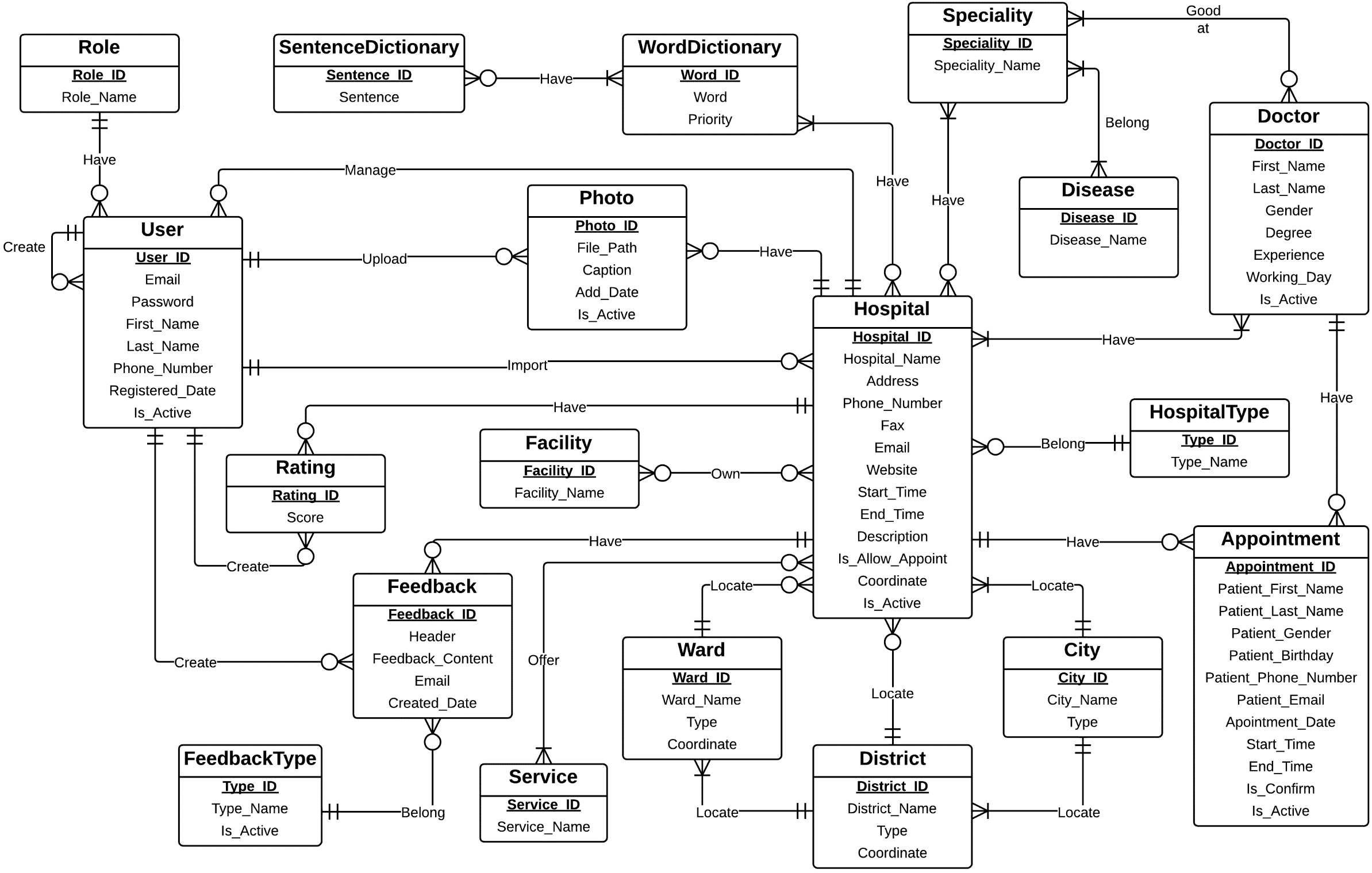
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1. **Performance**

Search process must be done in less than 5 seconds with network and hardware conditions are equal or better than development environments.

Words and sentences suggestion must be showed in less than 3 seconds right after users input search query.

1. **Entity Relationship Diagram**

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