

SR Subjects – Assignment 1

Build a group 3-5(preferred 4) members then select one of the following topics in section "A. Topics" to build requirements document describing in section "B. Requirements for Requirements Document"

A. Topics

Topic 1. Houses Findings Center System

Gia Hoa Phat company works in real estate field. The company provides house services for customers such as office or house hire/rent services. Nowadays, Internet is very popular in Viet Nam. The number of people used Internet to buy product or service rapidly increase. To meet that demand, CEO of the company decided to do a project to develop a new House Findings Center System that support for company's customers to find houses/office at any time and anywhere when they have internet connection.

You and your group should contact with the partner to elicit and develop requirements documents for this system.

Topic 2. Shoes Shopping Website

S2B company is special in retailed shoes field. It has many shoes shops in Viet Nam. Nowadays, Internet is very popular in Viet Nam. The number of people used Internet to buy shoes rapidly increase. To meet that demand, CEO of the company decided to do a project to develop a new Shoes Shopping Website that support for company's customers to find & shoes at any time and anywhere when they have internet connection.

You and your group should contact with the partner to elicit and develop requirements documents for this system.

Topic 3. National Electric Trading Center (Trung Tâm Mua Bán Điện Quốc Gia)

Viet Nam is developing national electric market. However, in order to get the objectives of having electric market by 2020, Viet Nam Industrial and Trading ministry decided to develop a software system that supports for electric producers to post their goods and electric buyers to select the competitive goods from sellers.

You and your group should contact with the partner to elicit and develop requirements documents for this system.

Topic 4. Rice Trading Center

Rice Import and Export (RIE) company is special in exporting and importing rice field. It has exported million tons rices a year. However, currently there is no online system that supports for farmers and rice companies to buy and sell rices. It causes much inconvenient in rice trading activities in Viet Nam. To supports for farmers and other rice companies in buying and selling rices, CEO of the company decided to do a project to develop a new Rice Trading Center (Online Rice Trading).

You and your group should contact with the partner to elicit and develop requirements documents for this system.

Topic 5. Nurses Social Network

You and your group should contact with the partner to elicit and develop requirements documents for this system.

Topic 6. Oriental Medicine Dictionary

You and your group should contact with the partner or study related documents to elicit and develop requirements documents for this system.

Topic 7. Ha Noi Bus Information System

You and your group should contact with the partner or study related documents to elicit and develop requirements documents for this system.

B. Requirements for Requirements Document

Your group should contact with the partners, customer or research the current systems in the market and then understand, analyse and elicit requirements, objectives. Finally, your groups shall develop system requirements specification documents for the system-to-be and build prototypes/mock-up of the one of the above topics.

B1. Use template **Template_System Requirement Spec (IEEE830)[1].doc** for creating Requirements Document.

The requirements document must have the at least following sections/topics

- 1) Define objectives of the system-to-be and then **put them in section 1.2 in [1]**.
- 2) Identify stakeholders of the system-to-be. This section should describe their the role, responsibility, and characteristics and then **put them in section 1.5 and section 2.4 in [1]**
- 3) Build context model & problem diagram for system-to-be (the models should have the overall descriptions of the the components in the system-to-be) and then put them **into section 2.1 and section 2.2 in [1]**

- 4) Use scenario technique to describe all possible scenarios in system-to-be (at least 6 scenarios) and then put them **into section 3.1 in [1]**
- 5) Build prototypes for the system-to-be (at least screens & possible functions of 5 function groups) and then put copy screen & screen definition **into section 3.1 in [1]**.
- 6) Discover all non-functional requirements (about QoS, Architectural, and Development) of the system-to-be and then put the requirements in **section 3.2.1 and section 3.2.2 in [1]**
- 7) Identify, assess and control the potential risks if we develop system-to-be and then put them into section **Appendixes in [1]**.

B2. The RD should be enclosed with the following documents

- 1) Define questionnaires set to gather requirements (**SR_Questionnaires Templates.xls**)
- 2) Reports documents recorded in the interview meeting with stakeholders. (**MeetingMinute_Template_v1.0.doc**)
- 3) Requirements review check lists (**Checklist_SRS Review.xls**)

Notes

- 1) The deliverable documents of assignment 1 must include:
 - a. Requirements documents in MS Word format
 - b. Prototypes must be in source files e.g. in Excel, PowerPoints, ...or HTML format
 - c. Context diagram and problem diagrams in Visio format
- 2) The enclosed document must have a document (use **ClassName_Group_Task AssignmentNotes.xls template**) noted team member's responsibility.
- 3) Documents should be zipped in one file before uploading to CMS. The file name must follow convention **ClassName_Project topic.zip** e.g. **SE0421_HotelManagementSystem.zip**