

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. Place review and information sharing network

RBC is an online services provider company. Its strategies aims at expanding online market via providing some social networks for Vietnamese people, especially young people. Nowadays, tourism and traveling is rapid growing in VN. In many forums in Internet, tourists and travellers shared their opinions that sometimes they get difficulties in finding the exciting places and sharing their opinions, assessment of places that they have visited with their friends and other people. RBC's sale department's analysis showed that if RBC company develop an website that allow tourists and traveller post place information, review places and share information with others, RBC's revenue can increase 5% per year in coming years. After assessing the analysis of sale department, RBC's CEO decided to develop "Place review and information sharing network" system.

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

Topic 2. Contract Management System

RBC is an online services provider company. Its strategies aims at expanding online market via providing some social networks for Vietnamese people, especially young people. The company has many contracts with customers who have advertising agreement with RBC. However, RBC still manages contracts manually so it causes many problems, losing contract progress, contract issues is not followed sometimes., for instance. To deal with these issues, RBC's CEO decided to develop a contract management system to support for RBC's business growth.

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

Topic 3. FSoft Documents Management System

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

Topic 4. Hotel Booking Management System

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

Topic 5. Car Parking Management System

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

Topic 6. Law Firm Management System

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

Topic 7. Real Estate Online Auction Management 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 documents 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 role, responsibility, and characteristics and then **put them in section 1.5 and section 2.4 in [1]**
- 3) Build context & problem diagram for system-to-be to show system abstraction (the models should have the overall descriptions of the components in the system-to-be) and then put them **into section 2.1 and section 2.2 in [1]**
- 4) Use case diagram and scenario technique to describe all possible scenarios of use-cases in system-to-be (at least scenarios for 8 use-cases) and then put them **into section 3.1 in [1]**

- 5) Build prototypes for the system-to-be (at least screens for possible functions of 5 use-cases 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 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**