

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. Flights Booking System using 3G

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

Topic 2. Car Rental Management Systems

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

Topic 3. Oriental Medicine Trees Dictionary

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

Topic 4. Catch Your Girl

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

Topic 5. Easy Trading Mobility System

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

Topic 6. Shoes Distribution Management

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

Topic 7. FU Canteen 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 model & problem diagram for system-to-be (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 scenario technique to describe all possible scenarios in system-to-be (at least scenarios of 10 functions) and then put them **into section 3.1 in [1]**
- 5) Build prototypes for the system-to-be (at least screens function groups which have scenarios described in the above) and then put copy screen & screen definition **into section 3.1 in [1]**.
- 6) Discover all non-functional requirements (about Quality of Services, Architectural, Compliance, 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
 - d. Other diagrams if needed.
- 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**