

# SR Subjects – Assignment 1

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*Build a group 2-4(preferred 3) 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. Restaurants Gateway**

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

### **Topic 2. Parent & Children School - Connector System**

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

### **Topic 3. Ha Noi Bus Information System**

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

### **Topic 4. Coach Route Searching System**

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

### **Topic 5. Electronic Circuit Website**

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

### **Topic 6. Asset 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.** Pet Shop Online

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

**Topic 8.** Online Event Management System(Hệ Thống Quản Lý Sự Kiện Trực Tuyến)

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

**Topic 9.** Online voucher selling system (Hệ thống bán thẻ giảm giá trực tuyến)

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 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 enclosed with the following documents

- 1) Define questionairs 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**