

***Software Requirement & Design***

**Topic Assignment**

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| Program Code | RND |
| Issue/Revision | 1.2 |
| Effective date | 01/Jan/2014 |

DaNang, Dec/2013

**RECORD OF CHANGES**

\*A - Added M - Modified D - Deleted

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| Date | Changes | A\* M, D | Contents | Version |
| 29-Dec-2010 |  | A | Created | 1.0 |
| 13-Jan-2011 |  | M, D | Updated by LinhDT | 1.1 |
| 27-Dec-2013 |  | M, D | Updated by HuyNT2 | 1.2 |
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# Software Requirement

For this assignment you will work **by group** to perform the exercise as described below, on a topic assigned by your instructor.

**Topics**:

Here are topics:

* Defect Tracking System (DTS)
* Student Project Allocation and Management with Online Testing System (SPM)
* Online Library Management System (LiMS)
* Online Sales and Inventory Management System (SIMS)
* Web-based Recruitment Process System for the HR group for a company (RPS)
* Training Management System (TMS)
* Apprentice Management System AMS)

**Guide**:

Before writing a software requirement document you have to research your topic. You can use the following source and ask questions to your Teacher Assistant to make clear topic requirements.

* Internet resources (be aware of the validity of these resources).
* A document file described the project

During the workshop you will get important guidelines from your Teacher Assistant on how to write a software requirement and hints on how to do well for this assignment.

**Software Requirement Document and Layout:**

* For drawing diagram exercise, you are free to choose the drawing tool that you are familiar with (e.g. Visio, excel, word, paint…) but the diagram need to be converted to an image or pasted into the template.
* Regarding creating use case and screen design documents, you have to use the templates that are given by your instructor.
* Both Vietnamese and English are acceptable however English are preferable and good English writing skill will result in better marks.

**Exercises:**

* **1st Assignment (Day1):**
* Study the URD of the assigned topic
* Create activity diagram, use case diagram and a use case document

**(Using template: Templates/StudentName - Topic - UseCase.xls)**

* Create screen flow diagram
* Create 1 screen design document for the use case document

**(Using template: Templates/StudentName - Topic - ScreenDesign.xls)**

* **2rd Assignment (Day2):**
* Create Q&As to clear the requirement of assigned topic in **1st Assignment**. Each student must create at least 30 Q&As. More than 30, good expression and writing in English will result a better mark.

**(Using template: Templates/StudentName - Topic - Q&AList.xls)**

* Re-design screens created in **1st Assignment *(in StudentName - Topic - ScreenDesign.xls file)***base on ***assumptions*** listed in above Q&As list and ***comments of instructor about 1st Assignment (on morning).***

**Report due Date & Submission:**

Soft copies must be submitted to your instructor at the end of each session.

**Your filename should be labeled according to the following naming convention**:

<accountName>\_<assignmentTopic>\_<documentType>.xls

documentType can be: Q&AList/UseCase/ScreenDesign

*For example*: *NamTV\_DTS\_Q&AList.xls*