

**Advanced SQL**

**Topic Assignment**

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| Program Code | ASQL |
| Issue/Revision | 1.0 |
| Effective date | 16/Dec/2016 |

HCM, Dec/2016

**RECORD OF CHANGES**

\*A - Added M - Modified D - Deleted

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| Date | Changes | A\* M, D | Contents | Version |
| 16-Dec-2016 | All | A | Created | 1.0 |
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# Software Requirement

For this assignment you study requirement and perform the task as described in schedule file, assigned by your instructor.

**Guide**:

Before doing assignment you have to research your topic assigned in schedule and MOCK’s requirement file. 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

* Both Vietnamese and English are acceptable however English are preferable and good English writing skill will result in better marks.

**Exercises:**

* **Assignment 1:**
* Design Schema diagram (work group)
* Write the scripts to create tables related to your use case (with the most appropriate field/column constraints & types) and the suitable INSERT/UPDATE triggers (to validate and prevent data constraints violation) and add at least 10 records into each created table (Work Individual)
* For each tables, you have to write queries to query data, get data by ID, get data based on fields inputted, Update data based on ID, Delete data based on ID (Work Individual)
* **Assignment 2:**
* List out the data from database based on criteria search (every properties are candidate to search)
* Specify customer accounts (include phone number and customer name) that don’t have any visiting last month
* Specify menu that rarely used (top 5)
* List out transaction history of specific customer