Student-data Project Design document

MSE-student-data team

**Introduction**

The purpose of this document is to clarify the scheme /database design. As we discussed in the meeting room, we will have 2 data bases, one is Web submission server, the other is Moodle serve. So, the first step is analysis these two databases and import them into two different schemes.

**Design details**

The first scheme is for web submission. We need student\_id as primary key, student\_first\_name, student\_last\_name, student\_gender, student\_email in student table. a\_id, year, teach-preiod, course\_name, due\_date, and max\_mark in assignment table. We also need log table which include log-id, student\_id, time\_stamp, version, and mark.

Student able link with log table by student\_id, log table have link with log table my assignment\_id.

Course table have link with student table and log.

**Database table design**

Here are the database table design we need assignment table, student table, log table, and student assignment log table in current stage. It all depends on what kind of row data we received, and we need re-think the table and relationship between tables.

Assignment table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Field | a\_id | year | teach\_period | course | assignment | due\_date | max\_mark |
| Example Value |  | 2017 | Semester1 |  | 1/2/3 |  |  |
| Notes | Primary key |  |  |  |  |  |  |

Student table

|  |  |  |
| --- | --- | --- |
| Field | stu\_no | name |
| Example Value | a1698123 |  |
| Notes | Primary key |  |

Log table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | log\_id | time\_stamp | rev | mark |
| Example Value |  |  |  |  |
| Notes | Primary key | Time of submission | Repository version |  |

stu-ass-log

|  |  |  |  |
| --- | --- | --- | --- |
| Field | log\_id | stu\_no | a\_id |
| Example Value |  | a1698123 |  |
| Notes |  |  | (id of assignment) |

**Summary**

In this stage, before we receive the row data, we just assuming these data can be useful for our project. After getting the data we can changing some parts of it.