**Stories of Project**

**CITS3200-Group B Project**

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University of Western Australia

**Preface:**

This document addresses the stories of Exam Questions Database Web-app in Scrum agile methodologies. The intended audience for this document is the group members, the client (John Brooke), the auditor (Daniel Cowen) and the Unit Co-ordinator (Michael Wise).

**Target Audience:**

Client, Group members, Auditors

**Group-b Members:**

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**Client:**

John Brooke

**1.0 General Goals**

Our goal is to design a website server which stores exam questions, the usage information about each question and allow Users (mainly physics professors) to:

1.    Browse, search (base on usage information, keywords), select and export the questions to the user as a zip file for preparation of their future exam paper.

2.    Upload new questions and their usage information to the server.

3. Upon downloading for a formal use allow professors to update question histories.

**2.0 Themes**

Note:

* In the project, users are lecturers from physics faculty who are going to make test papers.
* Stories are listed from higher value to lower value under each epic.

2.1 Theme 1 **Question Uploading Webpage**

2.1.1 Epic: **Uploading Latex Files and Their Preview Images**

* As a user, I want to upload a question in a zip file in which contains Latex file and associated figure images.
* As a user, I want to have a button to upload zip files.
* As a user, I want uploaded questions can be safely stored in database and not collide with other questions.

2.1.2 Epic: **Adding Information of Uploaded Question**

* As a user, I want to add keywords for uploaded question, so that other users can get the question by searching the key words.
* As a user, I want to have a text box to type in notes of uploaded question, so that other users can get more information of this question.
* As a user, I want to have a text box to type in short description (usually the first sentence of question), so that other users can have an explicit recognition of the question.
* As a user I want to be able to record the history of usage of each question when I upload it

2.2 Theme 2 **Exam Paper Editing Webpage**

     2.2.1 Epic: **Exam Paper Registration**

* As a user, I want to have four text boxes to register the new exam information of Institution, Unit, Assessment, and Date.
* As a user, I want to have a text box for additional notes of new exam paper.

2.2.2 Epic: **Searching Questions**

* As a user, I want to have a search box, so that I can get the wanted questions by searching keywords or other question information.
* As a user, I want to see on the searching result interface, each matched result is along with the question’s short description, a button for previewing the question, a button for viewing question history, and a button for adding a question to the cart.
* As a user, I want to see information of institution, unit, assessment usage, date, result statistics, and notes after clicking the history button.

2.2.3 Epic: **Question Cart**

* As a user, I expect to see for each line, there would be the short description of each question, a button for previewing, a button for viewing history, and a button for removal from cart.
* As a user, I want to have a submit button at the bottom of question cart, so that once click on it, I can download selected questions and corresponding history would be added to database.
* As a user, I want to have an access to change the question order in the exam paper.
* As a user, I expect when I compile all questions into an exam paper, the reference of each question’s images would not conflict each other.
* As a user, I want to save my temporarily chosen questions in my account background, so that I can continue editing my exam paper in the future.

2.3 Theme 3 **Result Updating Webpage**

2.3.1 Epic: **Search Box**

* As a user, I want to have three dropdown-boxes corresponding to institution, unit, and assessment & date, so that I can filter the targeted exam paper.
* As a user, I want the dropdown-box can be up to date with database.

2.3.2 Epic: **Updating Interface**

* As a user, I expect on the update interface, each line represents one question, with four columns for the short question description, a button for previewing, a text box for inputting the number of correct students, and a text box for inputting the total number of students.
* As a user, I want that after all results are uploaded, I can have a preview of the whole paper result, with institution, unit, assessment, date, and correctness statistics on each line for each respective question.

**3.0 Intermediate Acceptance Criteria for Sprint 2**

3.1 **Question Uploading Webpage**

* Uploaded zip files are stored in database logically. There is no collision when extracting files.
* There is no data loss in the uploading process.

3.2 **Exam Paper Editing Webpage**

* After searching for keywords, matched questions’ short description, preview and history can be shown.
* After clicking add button, the targeted question is added to question cart successfully.
* After clicking the submit button, questions in the question cart are exported correctly into a .zip file together

3.3 **Result Updating Webpage**

* For each dropdown box, all available choices in database can be shown.
* After clicking dropdown box options, SQL queries return the wanted results, and webpage displays them correctly.
* After updating the exam result, corresponding data are inserted into database correctly.