**REPORT NO.1**

**INTRODUCTION**

**Team 11**

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**1. Project Information**

* **Project name: Q&A Platform for Educators**
* **Project Code: QAPT11**
* **Product Type: Web Application**
* **Start Date: May 11th, 2015**
* **End Date: August 11th, 2015**

**2. Introduction:**

Nowadays, the development of internet and information technology led to the dramatic increase in trend of studying online. More and more information together with limited school time make having a website that supports studying is needed.

This project is a Q&A Web application where students and teachers can exchange information and other educational materials. Students can learn more things about the subject from posts of teachers or find the answers from other people.

**3. Current Situation**

There is a lot of popular Q&A websites like Quora, Yahoo! Answers, Stack Overflow… People can post threads or answer the questions pretty easy using its account or connect to another account. These sites also have rating system for questions and responses in order to rate users as well.

Quora is rated as the best Q&A websites where you can find the answer for your question from real doctors, lawyers, chefs, engineers and more.

Yahoo! Answer is such as a longstanding Q&A website that everyone can join a thread and answer their question. The response will be awarded 10 points if the rate is highly recommended or 2 points if the rate is lower.

Stack Overflow is a Q&A websites for IT people with a lot of the professional and enthusiasm users. You can post a thread and wait responses from a lot of experienced programmers.

**4. Problem Definition**

Most of Q&A problems are about the rewards of their good contributions. Somebody complained they should deserve better.

Quora and Yahoo! Answer are known as the Q&A famous website but their objects are about a lot of different issues in life. These websites doesn’t only focus on education so that students and teachers will be difficult for sharing their knowledge. Spamming questions are also problems of them. On the other hand, Stack Overflow only focuses on programing rather than diversifying subjects. All of them do not yet support the true studying environment.

**5. Proposed Solution**

We suggest developing a Q&A website that focuses on studying. This website is such as a university in reality that includes many classes, teachers and students. It supports teachers share their additional lectures because of lacking of time. It also helps students ask self-confidently because some of them feel shy when asking in school.

**5.1 Feature functions**

* Teachers have their classes with lectures and students. They can share additional lectures and studying materials, invites students join their classes. They also can invite other teachers together discuss about lectures or question.
* Students can ask about not yet understanding issues. They also join in classes to learn additional subject, follow their favorite teachers and manage studying material that uploaded by teachers.

**5.2 Advantages and disadvantages**

* Advantage:
* Teachers can upload their studying material (.doc, .pdf…) and students can manage it online.
* By supporting real time notification and discussion, students can imagine this website as the university with many classes, teachers and friends. They will feel free to ask anything.
* Users will have their right answers faster than they do on their own. That leads to learn better in real classes.
* System has a variety of categories that is better than Stack Overflow but it is not a mess such as Quora or Yahoo! Answers.
* Disadvantage:
* System do not support the users suggest teacher to join threads to answer the questions.
* Cost time waiting to approve to join a class.

**6. Functional Requirements**

Function requirements of the system are listed as below:

**For Teachers:**

* Create classes.
* Create a post. Post types include: articles, questions, answer, and upload material.
* Invite other teachers to answer questions in the classes.
* Invite students to join the discussion in a class.
* Track students’ questions to see which topics a student is less known about.
* Support real time notification.
* Support real time in discussion.

**For Students:**

* Create a post: articles, questions, answer.
* Manage learning materials: allowing students to create folders to store different kinds of studying documents.
* Support real time notification.
* Support real time in discussion.
* Follow a teacher.
* Send a request to join in a teacher’s class.
* Support an easy way to add mathematic equation, code highlighting besides other normal text formatting for editor.
* Suggest related posts.

**7. Role and Responsibility**

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