Design Document for Quick Quiz project

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1   Introduction

Average time to start pop-up quiz is about 10 minutes, and it is just preparation for it, like: finding paper, pen and waiting for others. Also there is need time to writing questions of quizzes. To save time of students and teachers, we decide to create a new program – "Quick quiz". In this document, we will describe the design of project: how looks like pages, how performs tasks

1.1   PURPOSE

This document will describe design and architecture of project – "Quick Quiz"

1.2   SCOPE

This document contains system decomposition, dependencies, interfaces.

1.3   DEFINITIONS, ACRONYMS, ABBREVIATIONS

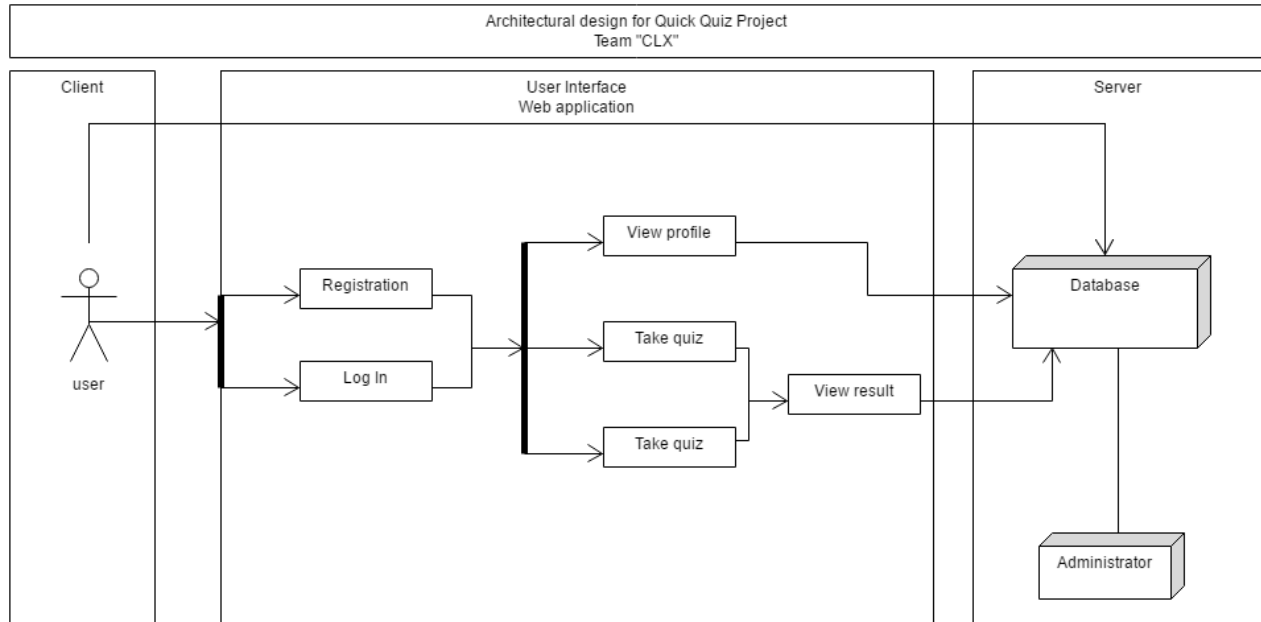| Term	Description

1.4   DESIGN GOALS

1. Reliability - the extent to which an experiment, test, or measuring procedure yields the same results on repeated trial
2. Maintainability - the probability of performing a successful repair action within a given time
3. Extensibility - system design principle where the implementation takes future growth into consideration
4. Response Time - time a system or functional unit takes to react to a given input.
5. Availability - amount of time over a one-year period that the system resources is available in the wake of component failures in the system.
6. Reliability - the quality or state of being reliable

2   References

(None)

3 Decomposition Description

3.1 MODULE DECOMPOSITION

3.1.1 PHP code Description

There will be php codes of API: Log in/Sign In, Quiz list.

3.1.2 Database Description

As we know, we use database for storing information. In our project, database has a big role, because all of the information will be taken from DB, such as quiz list, user.

3.1.3 Administrator Description

Admin will work with database. He creates quizzes, checks the results, and etc. In other words, admin has a very hard work.

3.2 CONCURRENT PROCESS

3.2.1   Database Description

Database is single process run a remote server. Hosting server is undefined yet. Our application will send and receive queries from database

3.2.2   Administrator Description

As we told before, admin has a very hard work. He will always work with the database. Teachers give him quizzes, then he adds it on database, after it students can take it.