ReWise
(In-class quizzing application)

Project ID: 7

Team:
Manan Gakhar 2012054
Mrinal Kachhara 2012062
Sarthak Ahuja 2012088
Saumya Jain 2012089
Shuktika Jain 2012163

OBJECTIVE:
Develop an app for conducting “in class” revision quizzes. The app would embody the following features:

1. Separate login accounts for instructor and student (Gmail authentication).
2. Instructor should be able to:
   a. Add courses that he teaches.
   b. Create Quizzes for his Course.
   c. Create Questions for the Question Bank.
   d. Upload existing un-attempted quizzes to the database.
   e. View archive of previous quizzes.
   f. Set start and stop time for the quiz.
   g. View Detailed Quiz and Course Statistics.

3. Student should be able to:
   a. View the upcoming quizzes.
   b. Attempt Live Quizzes.
   c. Auto Submit Quiz after Time runs out.
   d. View Detailed Quiz and Course Statistics.
   e. View the archived questions of all the quizzes of his courses.

4. Statistics include
   a. Census per question
   b. Overall class performance
   c. Comparison with previous quizzes
   d. Attendance for the course

5. Adding the Element of Gamification to both Instructor and Student.
HARDWARE AND SOFTWARE REQUIREMENTS:

- Android OS
- minimum version: 4.1.2
- WiFi support (or good 3G support)
- Google play services

LINK TO SOURCE CODE:

https://github.com/shuktika12163/ReWise

LINK TO BINARY:

https://www.dropbox.com/sh/xjfkc2npzm9ljmt/AAAQPp7-6_euCe2rT3Jaz1La?dl=0

UNFINISHED TASKS:

- Full Implementation of Badges
  - We could not implement all the Badges.
- Complete Detailed Statistics
  - We could not implement all the proposed Statistics.

DISTRIBUTION of EFFORTS:
Manan Gakhar (2012054) - High
Mrinal Kachhara (2012062) - High
Sarthak Ahuja (2012088) - High
Saumya Jain (2012089) - High
Shuktika Jain (2012163) - High

ARCHITECTURAL DIAGRAM: Attached in the following Pages and present in the Zip folder as well.

SCREENSHOTS: Attached in the following Pages.
ARCHITECTURAL DIAGRAM (also attached in the zip file):

When a user logs in, the system queries the database to get or create the user and fetches all courses. After which, the user can choose to create a new quiz or access an existing one.

Upon selecting a quiz, the system fetches all questions from the database. Depending on the required data, the statistics are calculated and visualized. The user can also review their attempt on quizzes.

Questions are fetched from the database, and the user can attempt the quiz. After submission, the quiz result is displayed, and the user can review their attempt.

The system also keeps track of ongoing quizzes, and the user can view their progress. The statistics of all quizzes and courses are also displayed for analysis.

All available courses are shown, and users can mark or unmark courses. The user profile can be accessed to manage course management and login information.
SNAPSHOTS:

Login and HomePage
Add Courses and Create Quiz
Adding Questions
Course Statistics
Introduction to Android

Attendance | Average Score | Highest Score
------------|--------------|----------------
90.0        | 92.0         | 100.0

Quiz Statistics

MPChart Android

- Present: 90%
- Absent: 10%

Correctness of Question 1:
- Right: 20.0%
- Wrong: 70.0%
- Unattempted: 10.0%
Profile Page

Quiz in Action