# AcQuora

## -coz learning can be fun

**CS455: Introduction to Software Engineering**

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## Abstract

With advancement in technology, the process of learning has become very different than what it used to be. Now days even a child finds learning with the help of a computer much better.

Keeping this in mind, we propose a quiz based learning app named AcQuora. This app will be beneficial for children, their parents, as well as people preparing for competitive exams.

The basic function of the app will be to take a CSV file containing questions and options as input and produce an interactive quiz game out of it.

# Functionalities

- **Customized Quiz**
  The app provides the user with an option to add questions and options and generate a test out of them. This is especially useful for parents who want to prepare quizzes for their children.

- **Timer**
  Property to enable or disable a timer in each question, based on choice of the user. On enabling the timer, the user gets 60 sec to answer the question. After 60 sec, the app moves on to the next question, giving no points for this particular question.

- **Text to Speech**
  We have added the functionality where user can not only see but also hear the questions and options. This has been done using Google translate. This would be of great help to users having some sort of visible disabilities. Internet connection is required to use this functionality.

- **Scores and Levels**
  The questions are divided into levels which are cleared on the basis of cut-off score being surpassed.

- **Social Integration**
  The app is integrated with Facebook which allows one to invite friends and share scores. This integration is optional; one can also use the app offline.

# Implementation

- **Methodology Used**
  Extreme Programming was used in the development phase of the project. We took each user story and implemented it. While doing the project, we also decided to add some new features along the way which improved the usability of the app.

- **Platform Used**
  The web application was developed with help of following technologies:
    - HTML5, CSS, JavaScript
    - PHP
    - JQuery
    - JQuery for mobile
    - Shell
    - Python
    - Apache Server (WAMP)

- **User Interface**
  We designed the user interface using HTML5, CSS, JavaScript, JQuery and Facebook php-sdk.

- **Text to Speech**
  We used Google Translate to enable the user hear the questions and options.

- **CSS to JSON**

# Testing

We tested the application on different browsers. We also asked a few users to try the application and asked for their experience for improvement.