

AcQuora

-coz learning can be fun

CS455: Introduction to Software Engineering

GROUP-10

AAKASH VERMA 10002

ARPIT JAIN 10145

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**

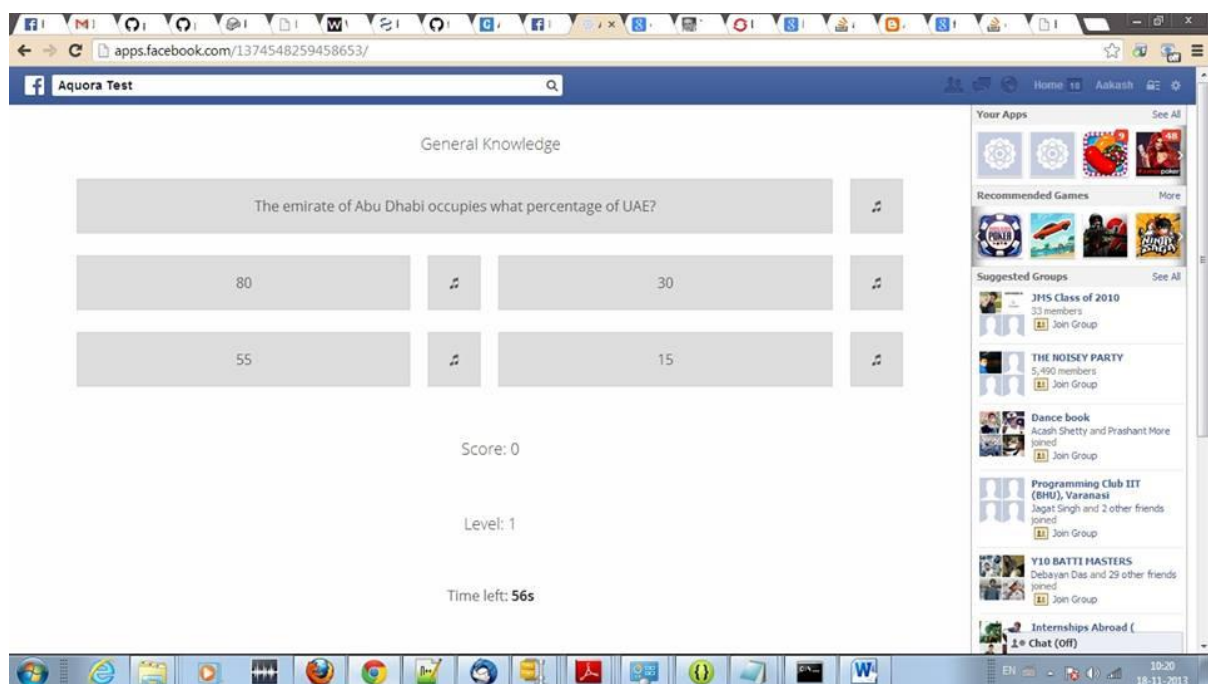
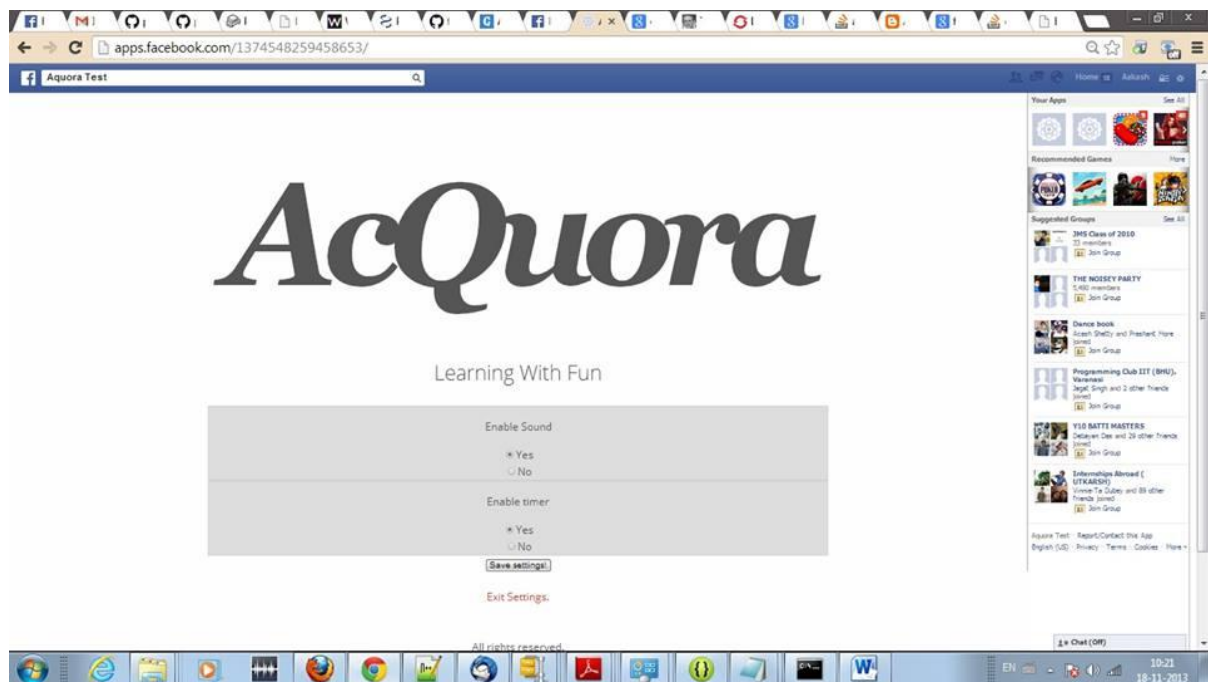
We used Google Translate to enable the user hear the questions and options.

- **CSS to JSON**

Testing

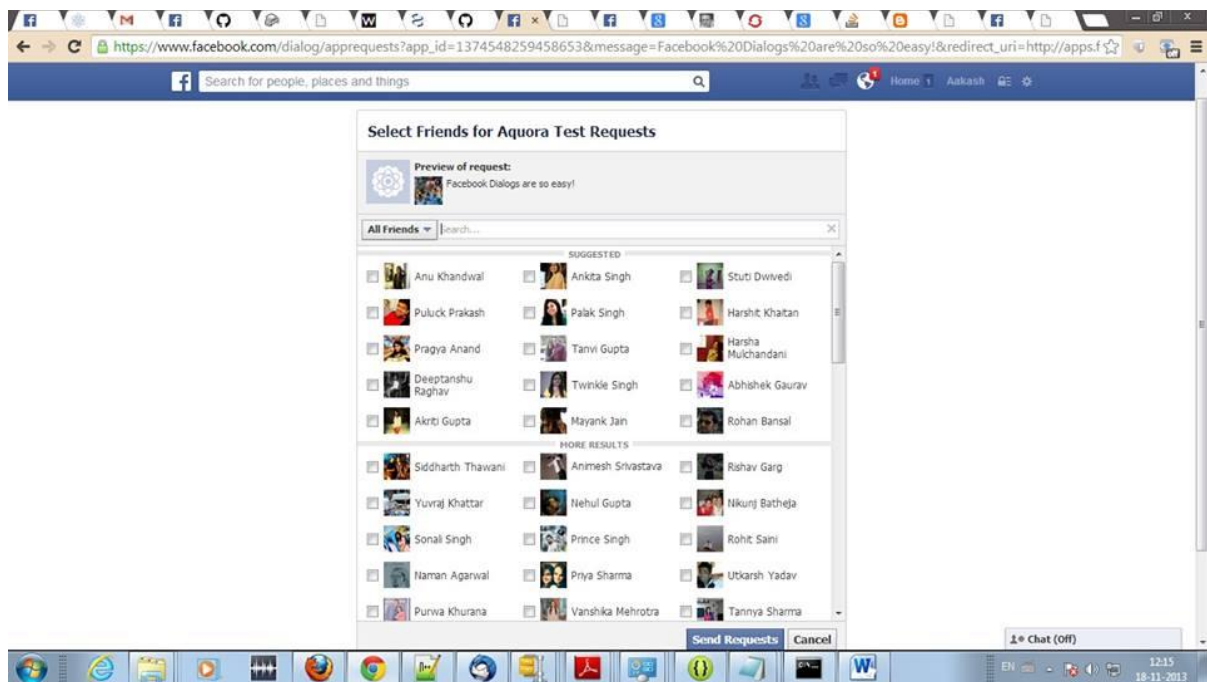
We tested the application on different browsers. We also asked a few users to try the application and asked for their experience for improvement.

Facebook SDK Screenshots





Invite friends:



Facebook - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Facebook

https://www.facebook.com

Most Visited Getting Started https://docs.google.c...

Search for people, places and things

Home Arpit

Arpit Jain Edit Profile

Update Status Add Photos/Video

What's on your mind?

TV Prabhakar

"The IT sector has a whole bunch of unhappy people"

http://www.dnaindia.com/india/report-netas-are-idiot-arat-ratna-awarded-cnr-rao-1920732

Netas are idiots, says Bharat Ratna awarded CNR Rao - www.dnaindia.com - India dna

Like Comment Share about an hour ago near Kanpur, Uttar Pradesh

Notifications

Aakash Verma has requested to add you as a Administrator of Aquora Test from the Facebook Developer App. a few seconds ago

Harsh Shah changed his profile picture. 10 hours ago

Anushree Kansal, Apoorva Arora and 61 other people like your photo. 15 hours ago

Pankaj Jindal posted in IIT K CSE Placements Group 2013-14: "Geo Rge Sudhanshu Tamhankar Shubhdeep Kochhar..." 21 hours ago

Utkarsh Bagri posted in Campus Entrepreneurs: "She solved a problem, which she faced in IITK..." Yesterday at 1:17am

Raheem Borade and Ashish Sharma like your link: "Clever Advertising!" Yesterday at 12:57am

See All

Kritika Singh commented on Chandini Jain's link on Kritika Singh...

Ajay Kumar likes Sangram Agrawal's status.

Sainyam Gaihotra likes Facebook Hacker Cup.

Deepak Pathak likes Kartikey Asthana's photo.

Ankesh Thakur

Prashant Gupta

Evelyn Antony

Harshita Meena

Rajesh Sharma

Gunjan Yadav

Pratik Kumar

Sainyam Gaihotra

Abhishek Sharma

Ajay Kumar

Search

Waiting for fbcdn-profile-a.akamaihd.net...

Visual Studio 2013

83%

Facebook - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Facebook

https://www.facebook.com

Most Visited Getting Started https://docs.google.c...

Search for people, places and things

Home Arpit

Arpit Jain Edit Profile

Update Status Add Photos/Video

What's on your mind?

Shekhar Kadyan

simple algo..but interesting application

I beat the computer 59% of the time! - R Scissors: You vs. the Computer - NYTimes.com

I beat the computer 59% of the time! Test against the computer in this Rock-Paper-

Like Comment Share 8 hours ago

View 1 more comment

Shekhar Kadyan out of how many? 8 hours ago · Like

Arvinder Kumar more than 10. fr bore ho gya 8 hours ago · Like

Shekhar Kadyan make atleast 20 8 hours ago · Like

Arvinder Kumar ok 8 hours ago · Like

Write a comment...

Notifications

Aakash Verma invited you to try Aquora Test. a few seconds ago

Aakash Verma has requested to add you as a Administrator of Aquora Test from the Facebook Developer App. 3 minutes ago

Harsh Shah changed his profile picture. 10 hours ago

Anushree Kansal, Apoorva Arora and 61 other people like your photo. 15 hours ago

Pankaj Jindal posted in IIT K CSE Placements Group 2013-14: "Geo Rge Sudhanshu Tamhankar Shubhdeep Kochhar..." 21 hours ago

Utkarsh Bagri posted in Campus Entrepreneurs: "She solved a problem, which she faced in IITK..." Yesterday at 1:17am

See All

Abhinav Jain likes Ankit Kumar's photo.

Abhishek Sharma likes Final War Against Corruption's photo.

Siddhant Fogla likes Bhavya Doshi's photo.

Kritika Singh commented on Chandini Jain's link on Kritika Singh...

Ankesh Thakur

Prashant Gupta

Evelyn Antony

Harshita Meena

Rajesh Sharma

Gunjan Yadav

Pratik Kumar

Prashant Singh

Abhijeet Kumar

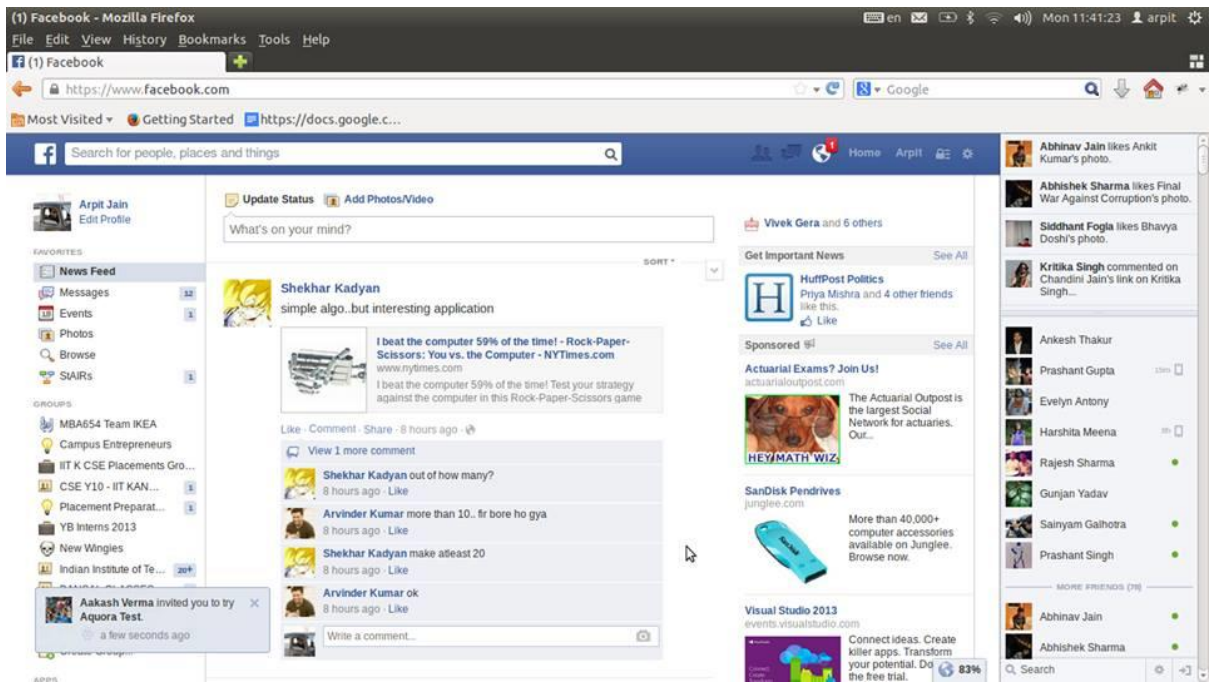
Abhilash Goyal

Search

https://www.facebook.com/#

Connect ideas. Create killer apps. Transform your potential. Do the free trial.

83%



Post on wall:

