

AQUA: Academic Quality App

Jennifer Nguy, Samuel Waters

Faculty Advisors: Ryan Stansifer , William D. Shoaff, Dept. of Computer Sciences, Florida Institute of Technology

Abstract

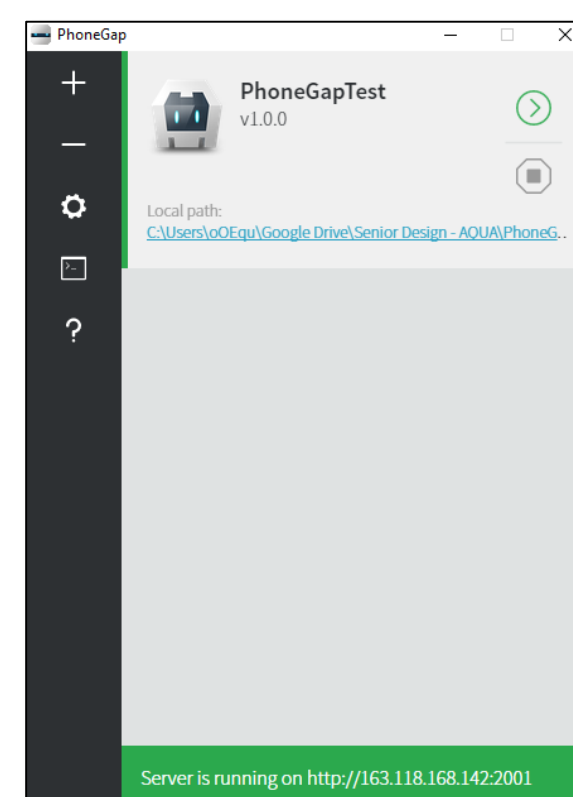
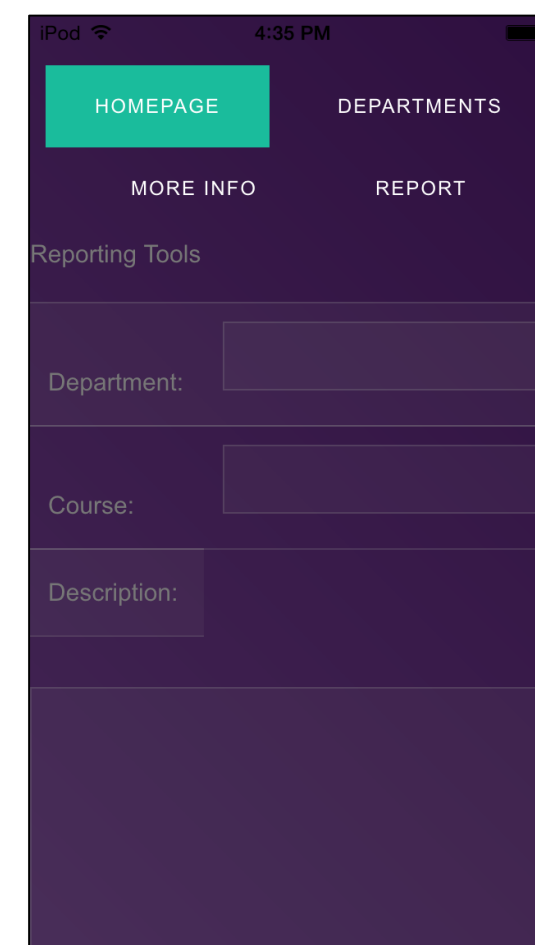
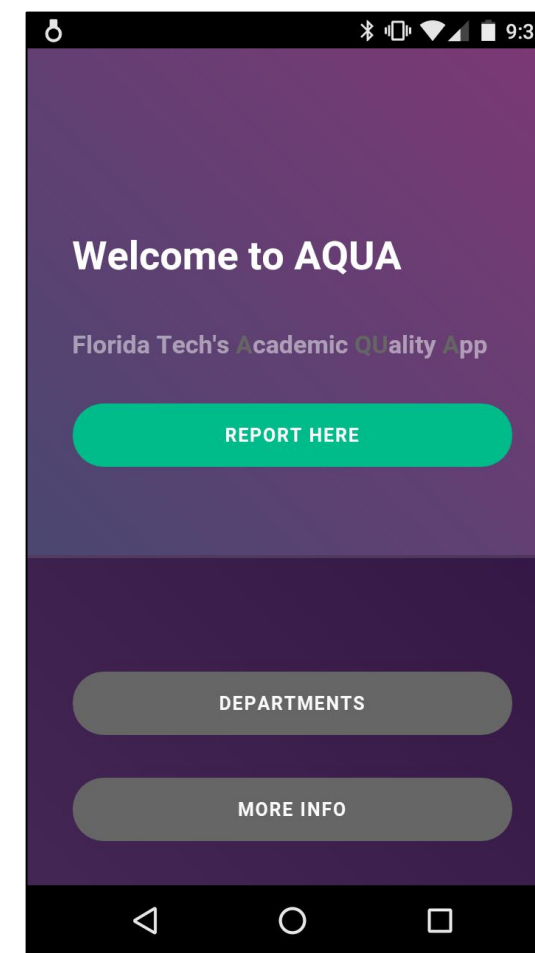
The Florida Tech Academic Quality App (AQUA) is a mobile application designed as a student driven anonymous reporting tool. The app also serves as an educational resource for both students and teachers.

Motivation

Sometimes a student will come across an incident where they witness an act of academic dishonesty; cheating on a test, plagiarism, homework selling, etc. The AQUA project is aimed in helping educate, deter, and report these incidents anonymously. Information will help both educators and students prevent academic dishonesty.

Technology

- **Database:** MySQL
- **Server:** Ubuntu 14.04 x64 vmlinuz-3.13.0-52-generic
- **Website:** Javascript, HTML5, CSS
- **App:** Adobe PhoneGap, Javascript, HTML5, CSS
- **Supported Mobile OS:** Android, iOS
- **Test Platforms:** Android, iOS, Chrome, Internet Explorer, Microsoft Edge, Mozilla Firefox



Features

Cross Platform

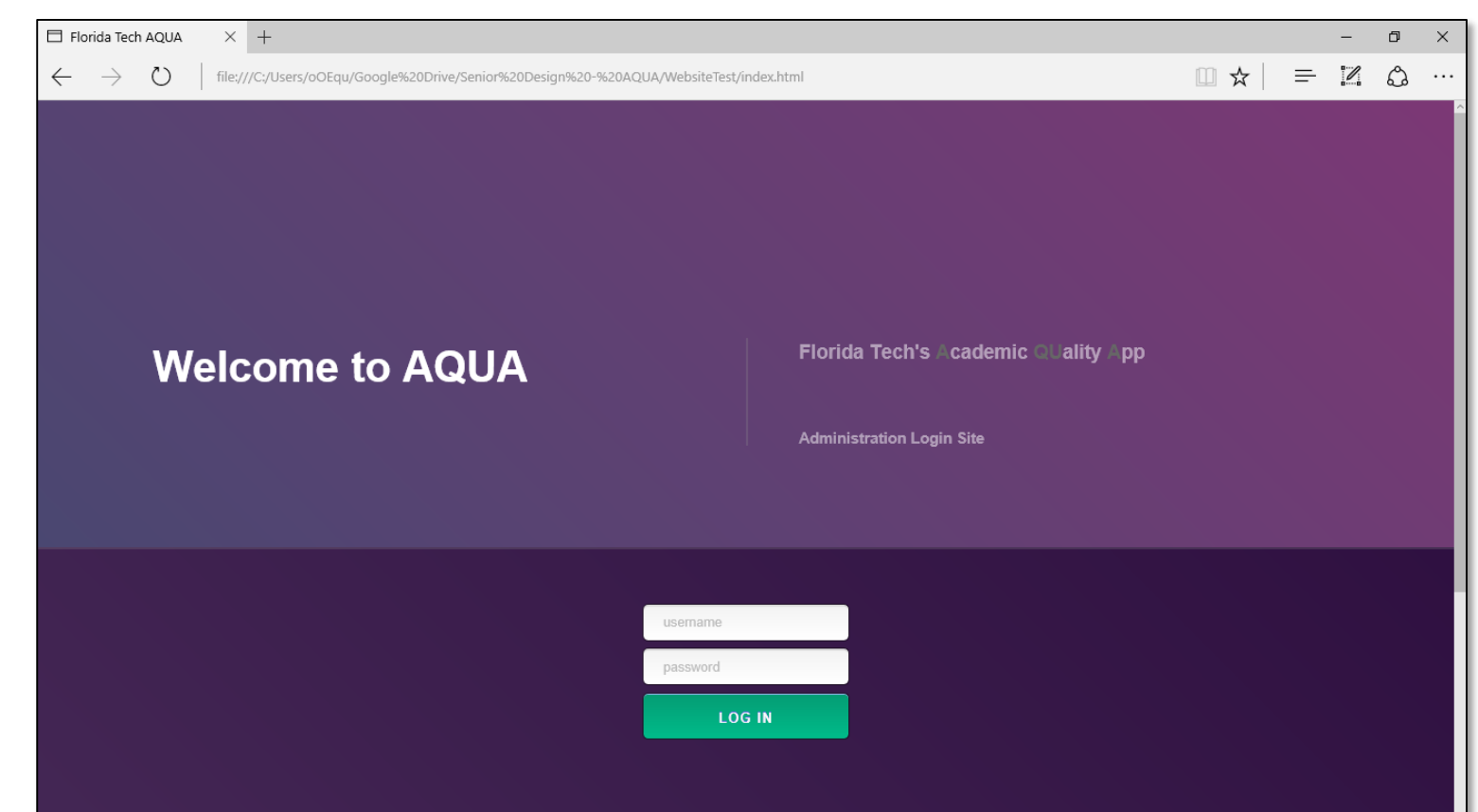
AQUA is a cross-platform mobile application developed with Adobe PhoneGap. This allows the application to be used on Android, iOS, and Windows devices so any student or faculty member who will want to use the app will be able to regardless of their mobile device's operating system.

Usability

Since the application is aimed towards all disciplines of study at Florida Tech, the usability of the app and website should cater to a general audience. Both the website and app were designed and developed with this in mind.

Security

The login system used by administration has been hashed and scrambled using a unique password salt. The system has also been protected by implementing input sanitization and brute-force prevention.



NORTHROP GRUMMAN



Engineering & Science
Student Design Showcase
at Florida Institute of Technology

