Mobile Semester Assistant App for Organizing Course Materials

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Mobile Semester Assistant App for Organizing Course Materials

Final Project Report

December 7, 2012
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To Fulfill B.S. Computer Engineering Technology Degree Requirement

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Abstract

The Semester Assistant Android app is designed to be a free alternative to already existing apps on the Android Market in which allow document scanning. What Semester Assistant does differently however, is allows the user to enter in courses in which they may be taking in school, and save digital images of any documents that are needed for future reference. By adding the ability to save text data for notes and reminders as well, this app aims to be a cheaper and more beneficial app for students.

Keywords: Semester, Assistant, Android, App, Application, Documents, Scanning, Courses, Images, Notes

Executive Summary

The following document outlines the overall development process of creating the Semester Assistant Android application over the course of the Fall 2012 semester. My goal in the creation of this application, was to create an app that is just as effective as other apps which already exist on the Android market, but instead promote a free alternative so that all consumers may be able to download and use it.

The Semester Assistant application at its core is a document scanner, but adds additional functionality to it by integrating the ability to organize saved files in an effective manner. Semester Assistant is primarily focused towards students, and allows them to jot down reminders, notes, and take photos of documents in order to save them with respect to each course. In a sense, this app can be seen as a digital portfolio for all courses that a student may be taking, and Semester Assistant takes that portfolio and stores it on their mobile smartphone. From here, the student can access, change, and delete courses as well as its associated data, offering a huge amount of flexibility and the ability to use it long term.

This project involved primarily software development, with some hardware integration for testing purposes and finalizing. This application relies on database storage and retrieval of course information such as text and images in order to display appropriate data to the user in relation to corresponding courses. All images are taken with the smartphone's camera and stored along the files relating to a particular class. All graphical user interface components relies on user selections, text input, button and menu selection.

Semester Assistant targets those smartphone owners looking for a better way of staying organized with course related work, and I believe that this app will not only meet those expectations but will surpass them as well.

Keywords: Semester, Assistant, Android, App, Application, Documents, Scanning, Courses, Images, Notes, Students, Market, Cheaper, Alternative, Photos
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