**UC Schedule**

**Requirements Document**

**Ver. 1.2**

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**Application Overview**

Objective:

The purpose of this application is to make a portable UC schedule including the course name, course time, course duration, building location, room number, call number, professor name and room for notes like homework dates. The current calendar does not have the options for notes or anything of the sort so this would be quite convenient for both students and staff.

Business Process:

With the help of UCIT, we will be able to access an API to interface with the UC schedule.

User Roles and responsibilities:

* UC students and faculty – These users will use the application to import and locally edit their UC class schedule. The system will be responsible for properly importing the user’s Class schedule. Once the schedule has been imported, the user has the responsibility to edit their local schedule to suit their needs.

Interaction with other systems:

This application will have to interact with two other larger systems. One system is the default Android calendar and the other is the UC database, specifically the UC scheduling database.

Replacement for legacy systems:

This app will possibly be integrated into the UC Mobile app.

Terminology:

* UC – University of Cincinnati
* UCIT – University of Cincinnati Information Technologies department
* Database – An organized collection of data.
* Local – Pertaining to the mobile device itself without any outside interactions.
* Concurrency – Simultaneously executing multiple processes.**Functional Requirements**

State of Functionality:

* Import your UC class schedule into your calendar. Imported fields will include the following:
  + Time of day of the class.
  + Days the class is scheduled for.
  + Building the class is located in.
  + Room number of the class.
  + Call number of the class.
  + Professor’s name.
* The import of schedule data will be done through the app and will populate the standard Android calendar.
* In each event, the user can add notes (hw/quiz dates, faculty stuff, etc.)

**Security**

Only UC students/faculty with valid credentials will be able to import their schedule.

**Auditing**

A release notes document will be released along with each version of our application. The release notes will indicate what has changed since the previous version of the application. This includes things like new features or bug fixes.

**Administration/Customization of the Application**

The user’s imported schedule will act as their default schedule and they will be able to edit the schedule locally however they see fit.

Scope:

The development cycle will consist of multiple phases depending what deadlines are given.

Performance:

There is no performance requirement in the design of this application at this time.

Usability:

The minimum Android SDK is 2.2 (Froyo).

The targeted Android SDK is 4.2 (Jelly Bean).

Concurrency:

There is no concurrency in the design of this application at this time.

**Appendices**

Author’s background and expertise:

Matthew Scurry:

1. Currently a pre-Junior at the University of Cincinnati, majoring in computer engineering.
2. Coding expertise includes: Visual Basic, HTML, C++, Objective C, Python, PySide and Visual Basic Application.

Arthur Johnson:

1. Currently a pre-junior in Computer Engineering at the university of Cincinnati.
2. C#, C++, Visual Basic, Perl, Visual Studio Application, Silverlight Application, XML, Microsoft Office, IBM Rational Tool’s.

Resources

* <UC schedule API>

Contacts

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