Capstone Proposal – Rutgers Android Application

Today's generation rely on their phones to get through their day. They use their phones for making phone calls, sending text messages, checking their emails, listening to music, playing games etc. Due to this, phones have become more of a personal assistant to people rather than a simple device used to send and receive phone calls.

With the invention of the smart phone, the entire world has become accessible to the person at a touch of a button. This was made possible due to the creation of the thousands of applications that run on these smart phones. These applications can perform simple tasks such as providing people with current weather conditions to complex applications that allow them to control their cars. But every good application lacks a small feature that prevents it from making it a great application. The Android Market, a place where Android phone users can download applications for their phones, has multiple applications providing different information regarding Rutgers University, but no application that integrates everything into one simple application.

Our group would like to develop an application for the Android Operating System which centralizes all Rutgers Information. This application will allow a Rutgers Student on the New Brunswick campus to do the following things:
1. Rutgers Campus Bus Timings.
2. On and Off Campus Dining Options.
3. Ability to connect to Facebook® and Twitter®.
4. Links to different departments at Rutgers.
5. Various Campus Service Numbers.
6. Campus Events.
7. Campus Building Maps.
8. Computer Labs and Library Information.
9. Information for commuters (parking lots on various campus)
10. Night-life Information (various pubs and restaurant information)

The above list shows the ideas that our group would like to implement in this application. From the list, our group will devote a great deal of time developing and implementing the campus bus information, Facebook® and Twitter® integration, and Rutgers Building Maps. These parts require great deal of attention due to their complex nature. The other parts of the project require gathering the appropriate information but are not as complex as the other parts. (Note: Throughout the semester, this list may change, addition or deletion of ideas, due to various reasons such as time constraints or complexity of an idea.)

Our group consists of three members: Uchendu Awa, Keith J Winters, and Akhilesh Maddali. Each member of our group has completed the Software Engineering prerequisite requirement.

Responsibilities:
The entire group has equal responsibility for this project. But listed below are the core responsibilities of each member:
Uchendu Awa: Campus Bus timing algorithm.
Keith J Winters: Gathering all required campus, building and events information.
Akhilesh Maddali (Team Lead): Design User Interface for application.

Team website: https://sites.google.com/site/rutgersandroidapplication/