Grand Valley State University

Laker Legacies

Milestone 3: Progress Report

Prepared by:
Kyle Peltier, Matthew Williams, Samantha Williams

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Client: Danielle DeWitt

CS 467

Professor Jonathan Engelsma

Introduction

Laker Legacies is an application solely advocating Laker for a Lifetime and the legacies that previous Lakers and genuine affiliates have left on the Grand Valley community. The application is meant to give users a mobile tour of campus buildings named in recognition of historical figures that have left a mark on Grand Valley. Users will be able to navigate Grand Valley's campuses via Google Maps, learn about buildings, learn about past Lakers, and be able to donate to Grand Valley. Application development began in January of 2014 and this report reflects the current progress of the project.

Intended Progress (*see attached Gantt Chart*)

UI Layouts

We planned on having all of our tabs and activities fully functional, and have all the navigation between screens working.

Welcome Screen

We intended on having the launch page working completely and cycling through the donor images from the database. We also intended to have a banner across the home page.

Google Maps

We projected to have added functionality to Google Maps including the "My Location" button working, and having the buildings populate on the Map.

Directory/Database

We hoped to have the directory access the phone's GPS location to populate a list of buildings based on distance from the user. Finally, we wanted detailed donor info to appear when selecting a donor or building in the directory.

Progress To Date

UI Layouts

Our intended progress of having the tabs implemented and navigating between each activity has been established.

Welcome Screen

The home screen seems to be almost finished. We have made the home screen pull the images from the donor table in the database and cycle through them with a timer.

Google Maps

The Google Maps portion of this application is almost to the state of where we want it. Currently, the progress to date is along with what we intended. Each building is pulled from the database and a waypoint is placed onto the map. Once a user touches a waypoint on the screen, the waypoint displays the name of the building, and which campus it is associated with.

Directory/Database

The database was modified slightly to account for joint donations. For example, the Bill and Sally Seidman Center is a joint donation whereas the Seidman Center was a solo donation. We needed joints to pair legacy info, images, and donor listings into a single pair rather than separate them. This was accomplished by adding a relationship between one donor and another. A "duet donor" contains the names of both donors and has a duet id of the donor it is paired with. Doing this, a single donor and a duet of donors can act as individual entities.

The Directory view has been updated to include detailed donor information. A user can select a building or a donor from the directory view and the user will be taken to a view where he/she can view the information and scroll between sets of information.

Major Setbacks/Roadblocks
- Project syncing
- Work Schedule

Projected Progress (Day-to-completion tasks)
Mandatory
- GPS location updates when sorting buildings by distance from user
- Screen orientation support
- Graphic media - welcoming banner, button icons, tab icons, etc.
- Detailed building view
- Factoids on home screen and loading screens
- Google Maps Menu Button

Projected
- Hide/show animated search bar
- Selecting building when listing by distance jumps to Google Maps
- Tooltips
- Home screen animation

Conclusion
After this phase of design and development, we have a working prototype. After a only a couple setbacks, we have made great progress. We are pleased with the product we have created and now our team is working on adding additional features requested by our client. In the next week we will finish these additions, and continue to test and polish the application.

GANTT CHART

	3/18/2014	3/19/2014	3/21/2014	3/23/2014	3/25/2014	3/27/2014	3/29/2014	3/31/2014	4/2/2014	4/4/2014	4/6/2014	4/8/2014	4/10/2014	4/12/2014	4/14/2014	4/16/2014	4/18/2014	4/20/2014	4/22/2014	4/24/2014	4/26/2014	4/28/2014
Create Template for UI Navigation																						
Navigationally Link Views																						
Complete Core Functionality																						
Complete UI Layouts																						
Working Prototype																						
Testing																						
Revision																						