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Mobile Game and Web App Seminar

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<div align="center">RIT Campus Map Concept Document</div>

INTRODUCTION

Our mobile app will show you where you are currently in RIT campus and point out the place you want to go to. The user just needs to type in the building name or number to be given its location and obtain more information about the building. Our application is meant for students, prospective students and their families, faculty, or staff who may have trouble navigating the RIT campus.

WEB SERVICE

We will utilize the web service of Google map's API with the URL of maps.rit.edu. The xml files of the RIT campus map API should give us the building names, a brief description of the buildings, precise location of all of the buildings on RIT campus, and what times the buildings are open. In addition, we are going to use the xml files provided by RIT events calendar to give users a chance to see what events are going on next upcoming week.

PLATFORM/DEVICE

We intend to make our mobile app for the iPad and the iPhone, which are both iOS platform.

LAYOUT

Since the map and location is the most important part of the experience, it will take up the majority of the screen space. The only interface element will be the chrome search bar, containing a search box, that will remain at the top of the iPad in any orientation. On the map itself, there will be a location popover with the name and location of the building that was searched, along with a button to obtain more information. When the user asks for more information by tapping the arrow icon, the location popover box will expand and dynamically show more information about the building in a list form. The list will contain the following rows: information, events, facilities, and food. If the user clicks on the information tab, then he or she will be able to view miscellaneous information such as a brief description of the building and what times the building is open.

ORIENTATION

Yes, the app will support both orientations.

INTERACTION

Using the search box, the user can search for a specific building by typing in the acronym, building number, or the building name or by scrolling through the map using a swipe motion and tap on a building to find more information about it.

FEATURES

We intend to implement the search integration with the RIT campus map potentially using Google campus street view API and location services application to track where the user currently is. Once the search result produces a building location, a highlighted path will show

the user how to get to that specific building. This RIT campus map app will even show users what events are going on in specific buildings, building facilities, and where to get food. By using the RIT events calendar, we will be able to up to date information about upcoming weeks for the week in addition to the information gathered from the RIT campus map API to support our other features.

TIMELINE

First week, we will focus on getting the design and rough prototype of the mobile app done. Then in the second week, we will work with the location databases and use Google's API for showing where the user's current location is. By the second week, we should have all of the main features implemented, so we can have users test out our app. For the third week, we will implement Google street view API and polish up the app.

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