**MIS 565 Final Project *(Due Week 9)***

**Purpose:** You are hired by A1 Realty Company to develop a user friendly mobile web house-hunter application for potential buyers. The current pattern for Internet-based house hunting is to search MLS listings online, print out individual listing addresses, get directions, and then travel to these houses. All of these tasks can be done these days on the road with mobile devices. A1 Realtor believes that this new mobile web application will enable them to reach more buyers. The main design goals of this mobile web application are to provide a way for users to do the following:

* Browse and search the MLS listings
* Get a map of an individual listing directly from its listing page
* Access information about the realtor and easily contact the realtor using a mobile device or mail services
* Browse other helpful tools and tips

The target users for this app would be the mobile device users with web browsing capability. The realtor’s MLS listings information is database-driven.

**Tasks:**

The opening screen of the app displays the following:

|  |
| --- |
| (Logo) A1 Realtor |
| Featured Listings |
| Buying &Tips |
| Mortgage Calculator |
| View Our Gallery |
| Buyer Information |
| About Us |
| Contact |
| Feedback |

**Featured Listings:**

1. When a perspective buyer selects this option, it displays a list of e.g., 8 homes with the

|  |
| --- |
| Featured Listings |
| (Property Photo) **1291 George Road**  Decatur, IL $329,000 Colonial |
| (Property Photo) **1200 Hicks Road**  Decatur, IL $229,000 Ranch |

property photo, address of each home, property type and price as shown above. Buyer can click a button (***More Listings***) to get listings of next remaining homes. You need to have data for 15-20 homes. Add appropriate buttons to make it professional looking and user friendly.

1. When a buyer clicks on any property, it displays as shown below:

|  |
| --- |
| **Featured** 1291 George Road **Search** |
| Property Photo |
| MLS: 406509171 |
| Address: 1291 George Road |
| City: Decatur |
| Price: $329,000 |
| Type: Single Family |
| Acres: 0.27 |
| Rooms: 8 |
| Bath: 2.5 |
| Other: |
| **Map To House (Button)** |
| **View Town Info (Button)** |

1. The button “Map to House” when clicked, sends the user to the Maps and display the specified address and user can get directions. By clicking button “View Town info” buyer can get information about the town (Points of interest, Restaurants, schools, population, etc.). Add appropriate buttons.

**Buying & Tips:**

1. Selection of this option provides a buyer, home buying tips.

**Mortgage Calculator:**

1. A buyer should be able to calculate the monthly mortgage payment and total payment for the selected property by entering the first three elements (loan amount, interest rate, years ) as shown below:

|  |
| --- |
| **Mortgage Calculator** |
| Loan amount |
| Interest rate |
| Years |
| Monthly payment |
| Total payment |

1. Add appropriate buttons.

**View Our Gallery:**

1. This selection displays **5** rows of **3** property images per row. The property image also displays the list price. When a buyer clicks on any image, the larger version of the photo and two buttons at bottom namely “Map” and “Details” are displayed. Clicking on any button provides either detail information about the property or a map to the property.

**Buyer Information:**

1. When a buyer needs more information about the property, the buyer fills out the form with his/her information and the selected property. You need to design a form to get the relevant information from the buyer in order answer questions about the property. Add appropriate buttons.

**About Us:**

1. You can create brief introduction about A1 Realtor and the services they provide.

**Contact:**

1. A1 Realtor’s address, phone number and email.

**Address:**

4444 Pine Road

Chicago, IL 62556

**Phone:**

888-555-1234

**Email:**

[emailto@A1realtor.com](mailto:emailto@A1realtor.com)

**Feedback:**

1. Design a feedback form for the user of this app. You are interested in knowing e.g. about the app, things they like, and any suggestions for improvement, etc. Add appropriate buttons.

**Select List:**

1. A select list defines the type of properties that the user wants to choose from. Three input fields are defined for additional search criteria as follows:

|  |
| --- |
| **Cancel** Search Listings **Search** |
| Min $: |
| Max $: |
| Property Type: |

Add appropriate buttons.

**Project Submission:**

1. You will be submitting your complete project to Blackboard by Sunday, April 20th, 2015 at 11:55pm.
2. You will also demo your project in the class.