**CAPS Slingshot Program**

**Course Project**

You will design and build a web application that tracks real estate properties.

**Main Page:**

There should be a main page that introduces the real estate company and includes a menu that will be available throughout the site which contains a link to a Search page. For users who are agents, there should be a link to the Add Properties Page and a link to the Reports Page.

**Search Page:**

The site should include a search page that allows any user to search the database for properties based on filters (decide on 3-4).

**Reports Page:**

The application should allow the agent to create a report that includes a header, today’s date and all properties that have been entered by that agent. The report should be formatted so that the data is easy to read. Please use Stimulsoft to format the PDF.

**Add Properties Page:**

The application should allow **agents** to enter the seller name, seller phone number, address, number of bedrooms, number of bathrooms, year it was built, square footage, acreage, availability date, and price of a real estate property. It should also allow the user to indicate whether the property is to be used as residential or commercial. This information will be stored in a database.

The listing agent name should be supplied based on the login.

**Property Validation Rules:**

Address - string, limit 200 characters

City - string, limit 50 characters

State - string, limit 2 characters

Zip Code - numeric string exactly 5 characters

Description - string, limit 1000 characters

Listing agent name - string, limit 50 characters

Seller name - string, limit 50 characters

Square footage - integer between 750 and 10,000.

If a number is entered that includes decimal points, the number will be rounded before being stored.

Acreage- number between 0.25 and 300

Availability date- valid date

Price- integer value between 10,000 and 3 million