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CSE 445/598

Project 3: Assignment 5

Idea 1: Property Value Adjuster

Description:

An event-handling service for any individual wishing to sell their house. They will fill out information with their name, email, address, city, state, and square footage. The real estate agent will get the X and Y coordinate for that address and calculate the base cost of the house and adjust it based on crime rates. The resulting quote is displayed back to the homeowner who wants to sell for their review which they can either approve and have listed or deny. If they choose to list, the listing will also show an attached recommendation rating for wind and/or solar energy for this property.

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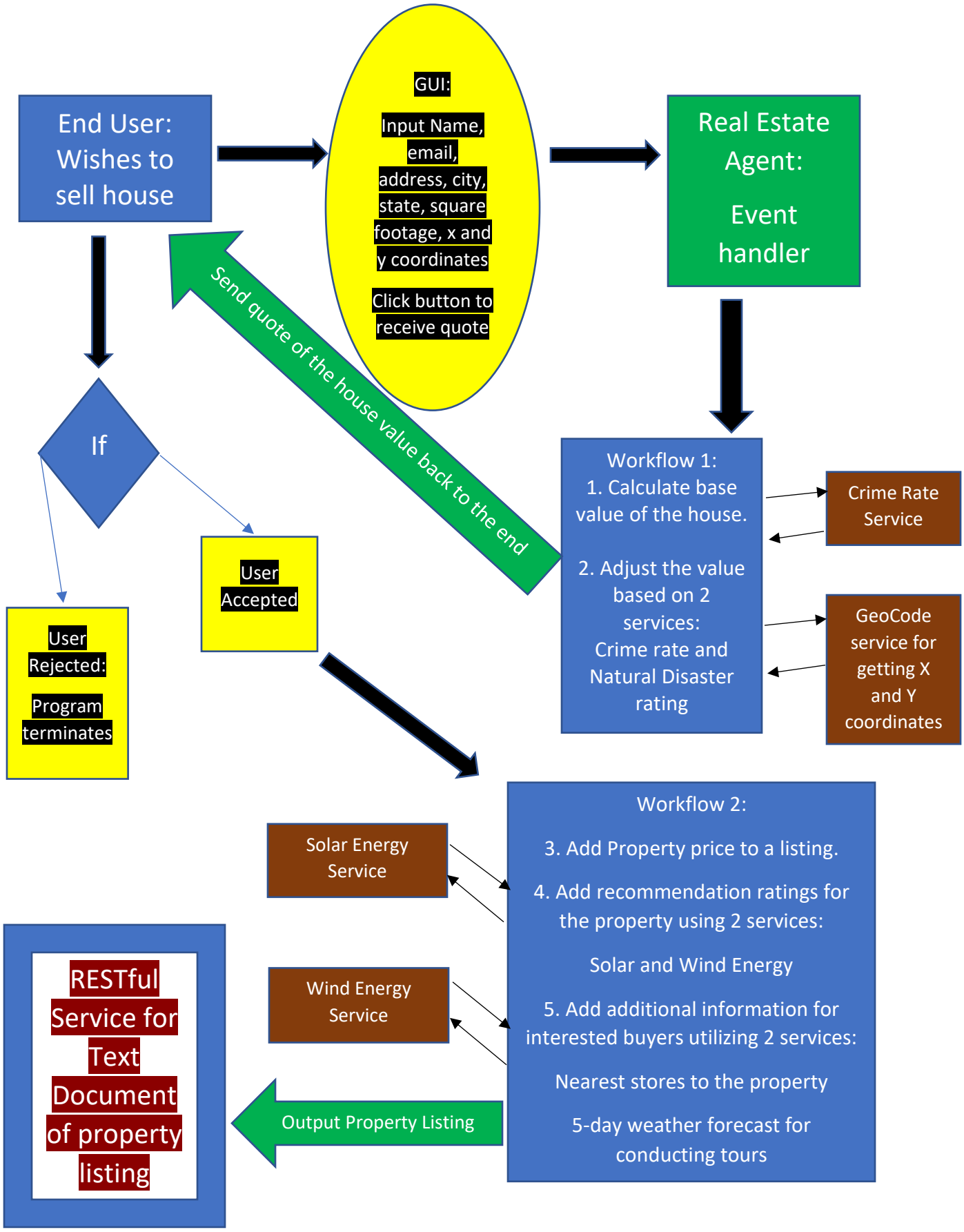

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Service Directory: The team plans to complete the following services.				
This service directory will be deployed at this address: http://webstrar26.fulton.asu.edu/index.html				
Team Name: site26 (Noel Wilson)				
Provider Name	Service Name, with Input and Output Types	TryIt Link	Service Description	Planned Resource Needed to Implem the Service
Noel	Crime Data Service **Input:** double longitude, double latitude **Output:** int number of crimes	http://localhost:54863/Service1.svc http://webstrar26.fulton.asu.edu/page1/Service1.svc	Returns crime data for a given location. Use this information to adjust the price of a piece of property near the given location.	API key and the GeoCode service output.
Noel	GeoCode Service **Input:** string street address, string zip code **Output:** double Longitude, double Latitude	http://localhost:54863/Service1.svc http://webstrar26.fulton.asu.edu/page1/Service1.svc	Returns the given position(latitude, longitude). Use this to perform other services.	
Noel	Wind Data Service **Input:** double longitude, double latitude **Output:** double index rating	http://localhost:54863/Service1.svc http://webstrar26.fulton.asu.edu/page1/Service1.svc	Returns the current wind index rating for a given location(longitude, latitude). Output a recommendation for wind energy on the property listing.	Api_key and GeoCode Service Output
Noel	Solar Data Service **Input:** double longitude, double latitude	http://localhost:54863/Service1.svc http://webstrar26.fulton.asu.edu/page1/Service1.svc	Returns the current solar irradiation index rating for a given location(longitude, latitude).	Api_key and GeoC Service Output

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	Output: double index rating		Output a recommendation for solar energy on the property listing.	
Noel	Simple RESTful GetPriceAdjusted. **Input:** int square feet, double crimeNum **Output:** string adjustedPrice	http://localhost:55289/Service1.svc http://webstrar26.fulton.asu.edu/page2/Service1.svc	Returns the base cost of that property based on national average cost of a house per square foot and the square footage entered. Adjusts that price up or down based on the number of violentCrimes from the FBI.	Output from the CrimeData service
Noel	Simple RESTful GetPriceListing **Input:** string targetFilePath, string fullAddress, int sqft, double basePrice, double adjustedPrice, double solarRating, double windRating, int numCrimes **Output:** string Boolean-style message, txt file to a specified location	http://localhost:55289/Service1.svc http://webstrar26.fulton.asu.edu/page2/Service1.svc	Takes list of inputs that need to be reported on the property listing and outputs that listing in a text file to the specified file path from input. Also outputs a message letting the user know if there was an issue or if the file was successfully created.	Output from all oth GUI buttons, input all text boxes inclu a specified File Pat your Property Listi text file.