CS495 Software Project Proposal: Medicaid Compasscare App

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1   Client Information

1. Client name: Abby Best

2. Client title: Chief Executive Director

3. Client email address: abby@assistedlivingdirect.org

4. Client employer: Medicaid Compasscare

5. How you know the client: IS Professor's daughter

2   Project Description

To create a user-friendly app that will provide an intuitive way for users to search for and access information on assisted living facilities, including their Medicaid Waiver and Senior Assisted Living Subsidy (SALS) certifications.

2.1   Overview

Currently there is no way for an individual to see all the available assisted care facilities near them. This app aims to fix this problem by combining all the care facilities, including those certified for Medicaid and SALS, in Maryland into one app. The client wants the project to revolutionize the search for assisted living facilities by providing centralized, user friendly platform that offers real-time, on all available options. Currently, our client uses an excel sheet to manage all of the data for the assisted living facilities and she has to manually update it. The data for these facilities is currently being manually updated on their website. However, they aim to create their own application version of the website while also implementing real time updates from each facility. We plan on making an app that will automatically pull data from the other assisted living facilities databases and update in real time.

2.2   Key Features

1. User Authentication: Login/Register with email or Apple ID

2. Find Assisted Living Facilities in Maryland and update in real time: Connect to Database, Filter by certifications, Google Maps API integration

3. Facility Availability: Profiles for 29 Assisted Living Facilities, Filter System

4. Facility Profiles: Cost, gender, Wheelchair accessible, Medicaid or SALS, directions

5. Notifications: notify users of changes in availability

6. Admin Panel: add/edit facilities

2.3 Why this Project is Interesting

After learning that there is no centralized platform or application dedicated to finding assisted living facilities that accept Medicaid or Maryland's Senior Assisted Living Subsidy (SALS), My client saw an opportunity to address this gap. Creating such a resource could significantly benefit Maryland residents, helping them find accessible, affordable assisted living options tailored to their needs.

2.4 Areas of CS required

Web development and Database Management would be required for this project.

2.5 Potential Concerns and Questions

No concerns as of now.

3 Comparison to Draft

Fill out this section by answering the following questions in paragraph form (you can remove these instructions as you complete it):

- Is this project the same project that one of the partners proposed, and if so whose proposed project is it?

  Yes, this is Brett's proposed project.

- If this project is the same as was proposed in your draft, in what main ways has the proposal changed since your draft?

  We added more details about how the client currently runs their website and how we plan on changing it. For example, we mentioned how they currently have a website that they update manually, and we plan on making an updated version of a website that pulls from other databases and updates in real time.