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**BusiTrack Proposal**

**CSC490 Senior Capstone**

**Description**

It will be a web application that helps business owners manage their businesses, the

process can also be managed through text messaging. Many individuals prefer texting

as the main type of communication, so having an application that can also be managed

through text will greatly increase its usability. The owner is able to sign up and add their

business through the web app, then a message through to the provided phone number

will respond to verify. The owner can either use the web app or if in a hurry can text

commands. The web app will be able to take the business’s daily expenses and gains,

and show the monthly or yearly profit/loss.

**Architecture**

Following the MVC architecture, there are two views, a text message view, and a

desktop view. The text message view will be the phone's text message interface. The

desktop view will contain the web app in a browser. Each view will interact with our

AWS web server via controllers and the web server interacts with the database via

another controller.

This project is expected to use the following:

HTML

Python

Javascript

CSS

AWS Lambda

AWS EC2

Twilio

MongoDB

**Member Task**

● Jaron - Front-end Website

● Brandon - Back-end Website

● Wahab - Back-end Phone connection

● Avery - Database Handling

● Jared - Back-end for Phone and Web

**Progress report 1**

**Project Definition, & Requirements Specification**

The current approach is to use the Agile Software development method for creation, with the Database, Phone, and front-end website being the main entry points.

The Database we are using is MongoDB with the server that will access this being AWS.

The server commands will be written in JavaScript so that the HTML Client and Phone Client can retrieve and edit the Database, with HTML backend being JavaScript, and the Phone Client being Python with conversion commands.

An account with Aws and MongoDB is required, and access to a browser is needed.

No permanent files are to be downloaded on HTML Client side, all program files are housed and accessed through the server.

(explain phone system if it needs account like above)

(Explain JavaScript framework)

(add graph image)