**Design Document**

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Our app will provide functionality to help Evan manage his schedule for his business. This application will take record of appointments and clients. It will allow Evan to set goals for his business and allow him to track his progress on each goal. It will make a list of the appointments he has in the upcoming week. Tracking and generating how much the business is making and how close he is getting to the goals Evan has set for his business.

These will be he features of our Application that we will be require to Finish:

* Goal Setting: Setting of Daily, Weekly, and Monthly Goals
* Reports: Income, and Expenses
* Customer: Adding name, contact info, Services rendered, Payments made
* Services made: Prices will be associated with a service that was performed

These will be the Stretch Goals that we have and will try to complete:

* Sort Customers by frequency of Visits
* Sync customer appointments with Google Calendar and/or Apple Calendar
* Get in-app notifications about coming customer appointments
* Keeping an inventory of Equipment for Business

Design of the Project:

The Basic design of our program is as follows. The Main Controller is the Main class that each element will be stored and controlled by. We have Customers, and Goals. The information that is added to these elements will be uploaded and stored in Firebase.

The customers will be able to handle the information for each person, each person will also be able to create an appointment. Each appointment will have a Service that needs to be performed when it is put in the Service class will handle the price and making the price appear along with storing the different Services that are available to each customer.

The Goals are set by the business owner track by day, month, and year. All controlled by the Goal class. Called by the Main Controller when the user would like to see their progress on each goal. Basic Expense reports will be generated when called on by the Main Controller many of these reports will be daily, weekly and monthly. The income that the business made and also the number of services that were preformed that week. All helping with the goals that are set by the business owner(Evan).

Firebase will store the Customer information and Goals that are set on the upload of the application it will gather the information stored there and have it sorted back in to the appropriate files and places so that the fun can continue.

UML Diagram

