Functional Requirements

* User can create an account
* User can login/authenticate
* User can CRUD customers
* User can CRUD appointments
* User can CRUD notes
* User can CRUD services
* User can CRUD invoices
* User can see a map of the local area
* The map shows a path from their current location to the next appointment
* User can “Take Payments”
  + No actual payment processor will be involved, this will be faked

Non-Functional Requirements

* This will be a GUI based software
* Unit testing will be the primary source of documentation
* This can either be desktop based or web based depending on group (web based groups will be responsible for their own hosting)

Language – Python

Database – SQLite

Directory Structure – Tree Structure

Naming Conventions

* Classes – Pascal Case
* Methods – Snake Case
* Constants – Upper Snake Case
* Variables – Snake Case

Quick start for developers – We are creating an application which will let the user manage dog grooming appointments for their personal business

Sprint 1 information:

* user\_manager – handles the database and storage and access of created user accounts
* user\_manager\_test – tests the UserManager class and all of the methods within it using fish themed tests
* Gui – creates the gui and the elements and handles the different interactions caused by button presses, entry boxes, etc.

Users can create an account by pressing the button on the home page, and that will prompt them with a first and last name, email address (which doubles as the username), and a password. Pressing enter into the password entry box will return them to the home while saving the information in all the entry boxes.

Design Document Details:

Colors:

|  |  |  |  |
| --- | --- | --- | --- |
| White | | Off White | |
|  | Hex: #ffff |  | Hex: #fefefe |
| Black |  |  |  |
|  | Hex: #1010 |  |  |
| Primary Accent |  | Primary Highlight |  |
|  | Hex: #156082 |  | Hex: #1d81af |

Fonts:

Arial

Color: black

Headings

Comic Sans MS

Color: Primary Accent if it is a page title, black if it isn’t

Form Inputs:

2 px border, primary accent color

Application background Color

Off white

Sidebar Color

Primary Accent