

WHITE VENUS ANALYTICS

Client: Longworth Dental Boutique

Initial Design Document

COIS 4000Y - Fall 2022

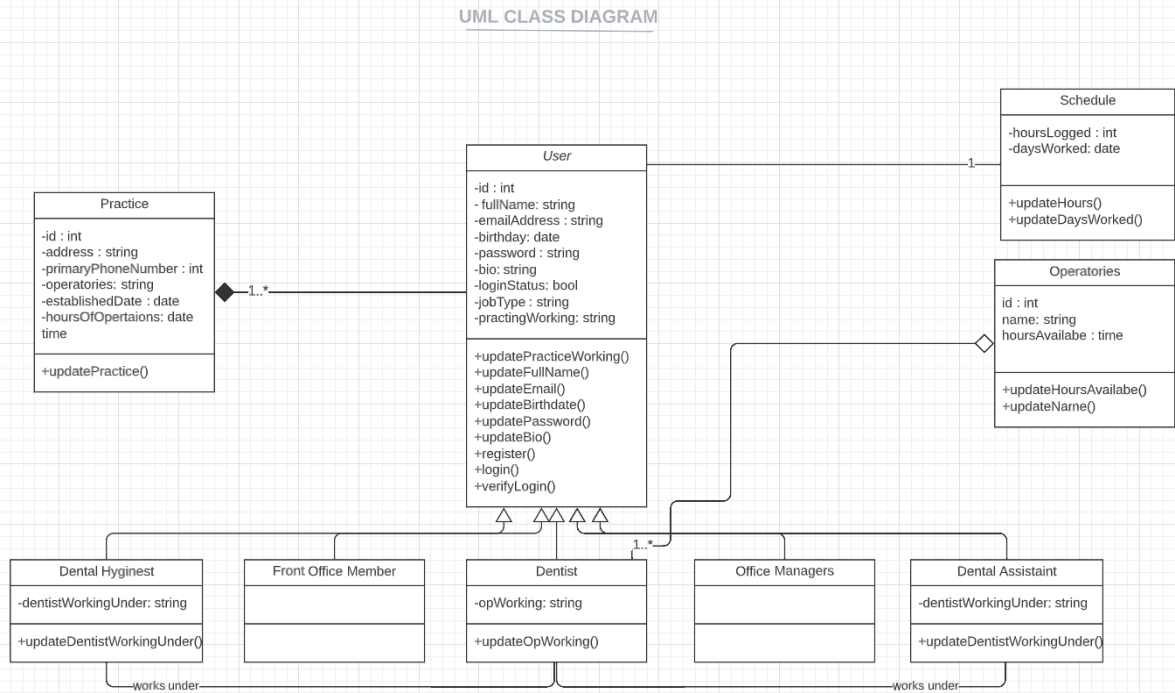
Group Members:

Punyaja Mishra, Sidak Singh Sra, Michael Adebayo,
Chukwudebem Ilo

WHITE VENUS ANALYTICS	1
Class Diagram	3
Sequence Diagrams	4
1. Manager trying to log in	4
2. Manager tries to view the 'Dashboard' page	5
3. Manager edits data on the 'Dashboard' page	6
APIs & Off-Shelf Components	7
1. plotly.js	7
2. DayPilot HTML5 scheduler component	7
3. Existing Database and Servers	7
4. Third Party Application Database	7
Database Design Diagram	8
UI Design	9
Sign In Page	9
Forgot Password Page	11
Dashboard Page	13
Dashboard Numbers Page	15

Class Diagram

//A Class diagram with methods

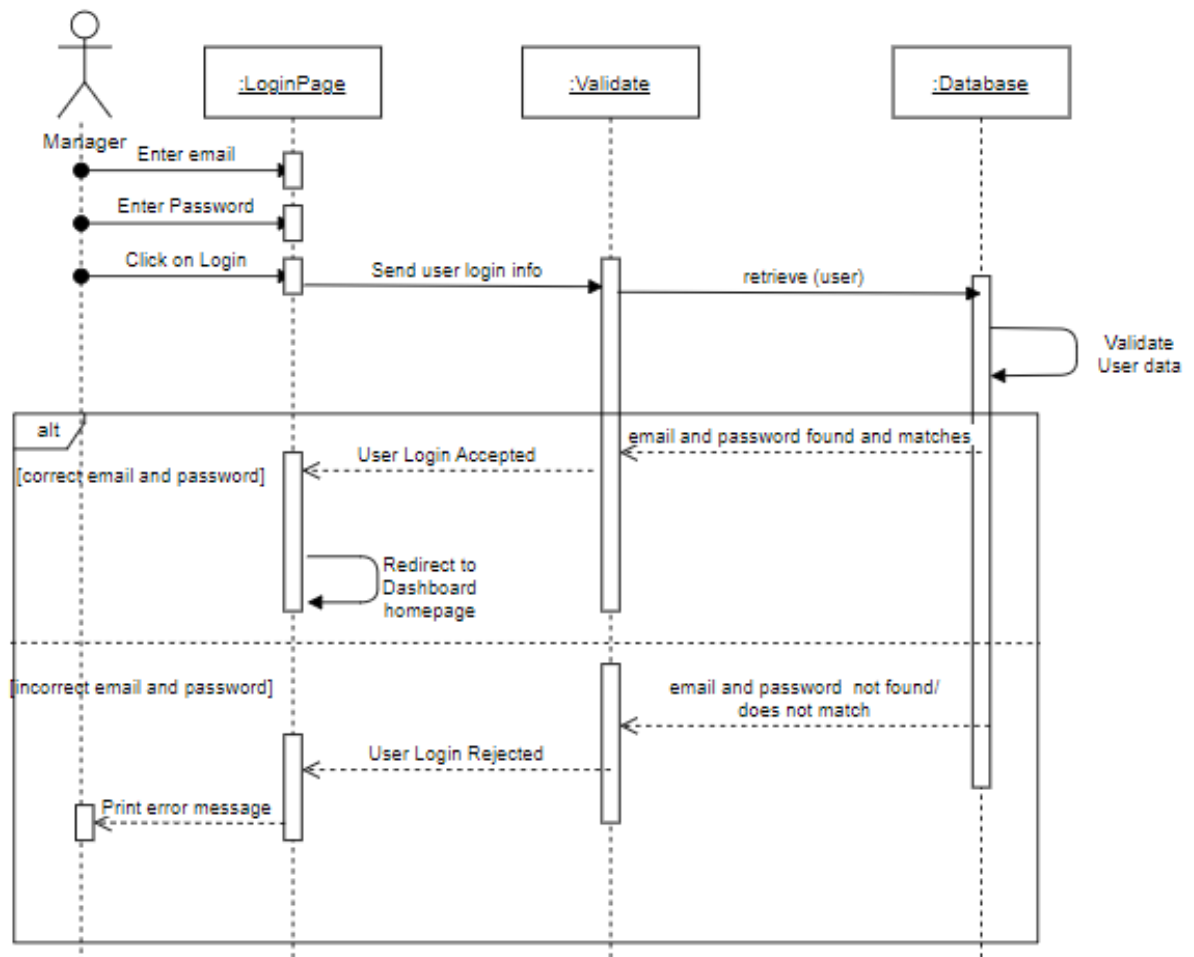


Sequence Diagrams

3 sequence diagrams for the main functionalities of the system

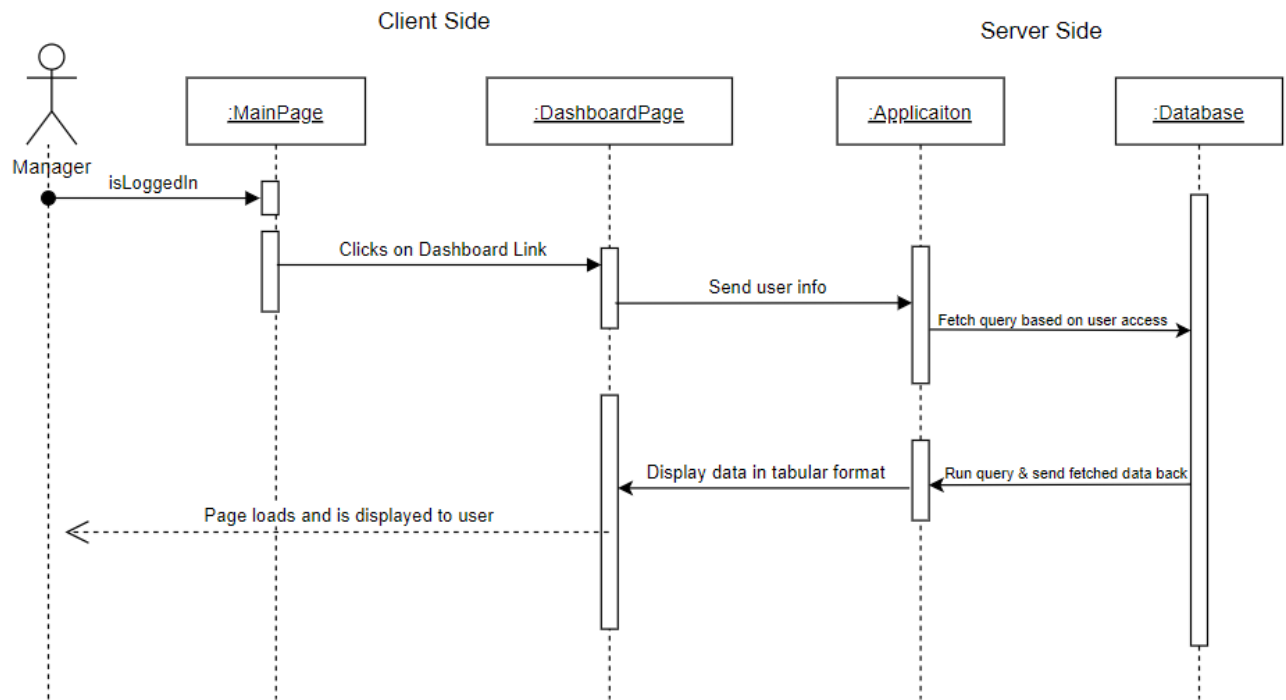
1. Manager trying to log in

User tries to log in. If successfully logs in then redirected to the Dashboard main page



2. Manager tries to view the 'Dashboard' page

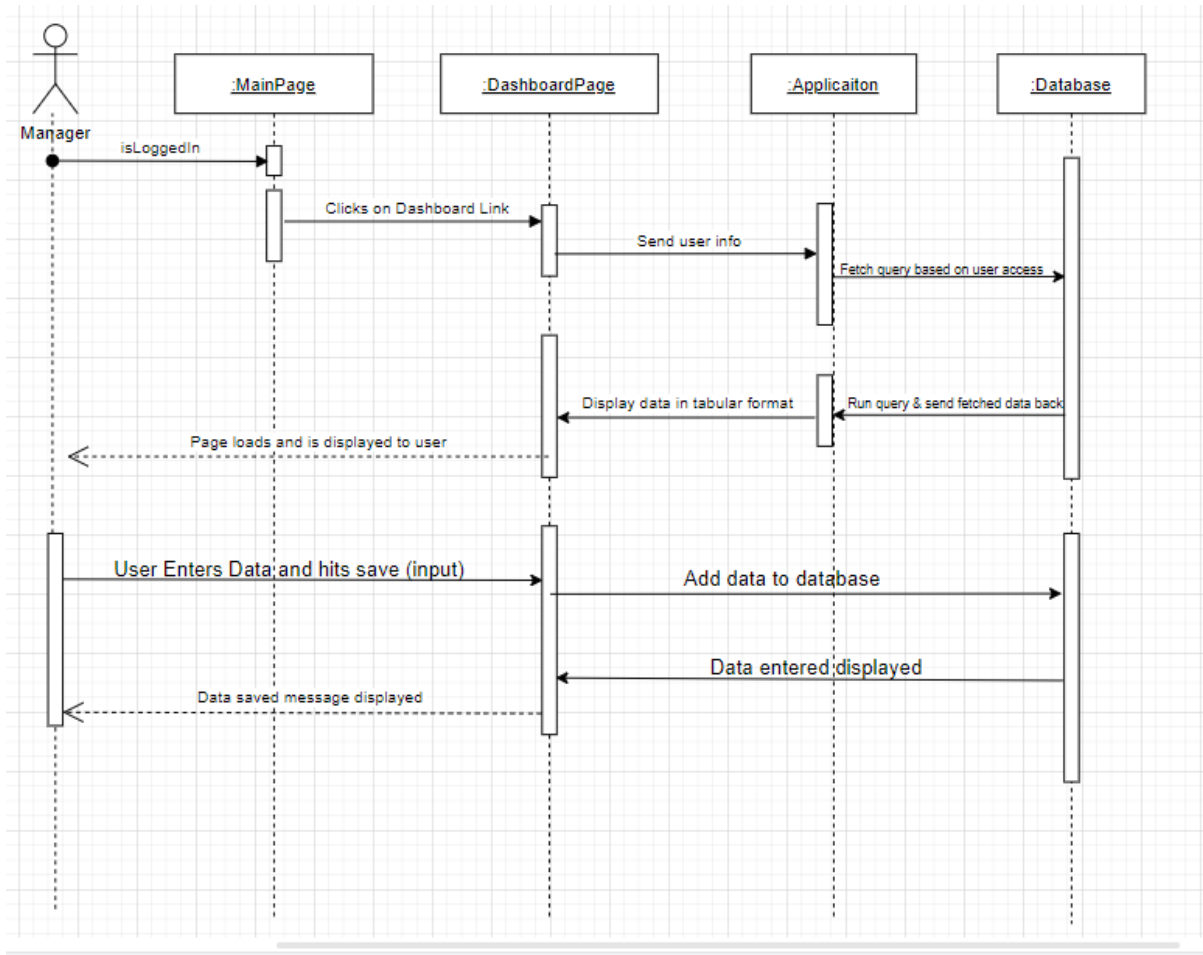
The link 'Dashboard' on the homepage takes the user to the 'Dashboard' page that prints out the data as per the user level and it is fetched from the database



Manager goes to Dashboard Page and looks at their data based on their access level

3. Manager edits data on the 'Dashboard' page

The Manager edits displayed data on the dashboard page. The data is sent to the database and saved in the database.



APIs & Off-Shelf Components

The project aims to develop a web application data analysis dashboard and uses a few off the shelf software and APIs. The list of APIs and off the shelf components being used are:

1. plotly.js

- plotly.js is a free and open source JavaScript charting library that helps in the data visualization of data. It consists of packages like matplotlib, ggplot2 or MATLAB and comes with over 40 chart types, 3D charts, statistical graphs and SVG maps.
- For the 'Analysis' of our data, we will be using plotly.js to graph the statistical data for the client to be able to make informed decisions about their business.

2. DayPilot HTML5 scheduler component

- DayPilot Scheduler displays a timeline view of multiple resources. This JavaScript Scheduler displays time on the horizontal axis and resources on the Y axis.
- This scheduler will be used for the receptionist to be able to store the data for the service providers which will be stored in our database and used for analysis.

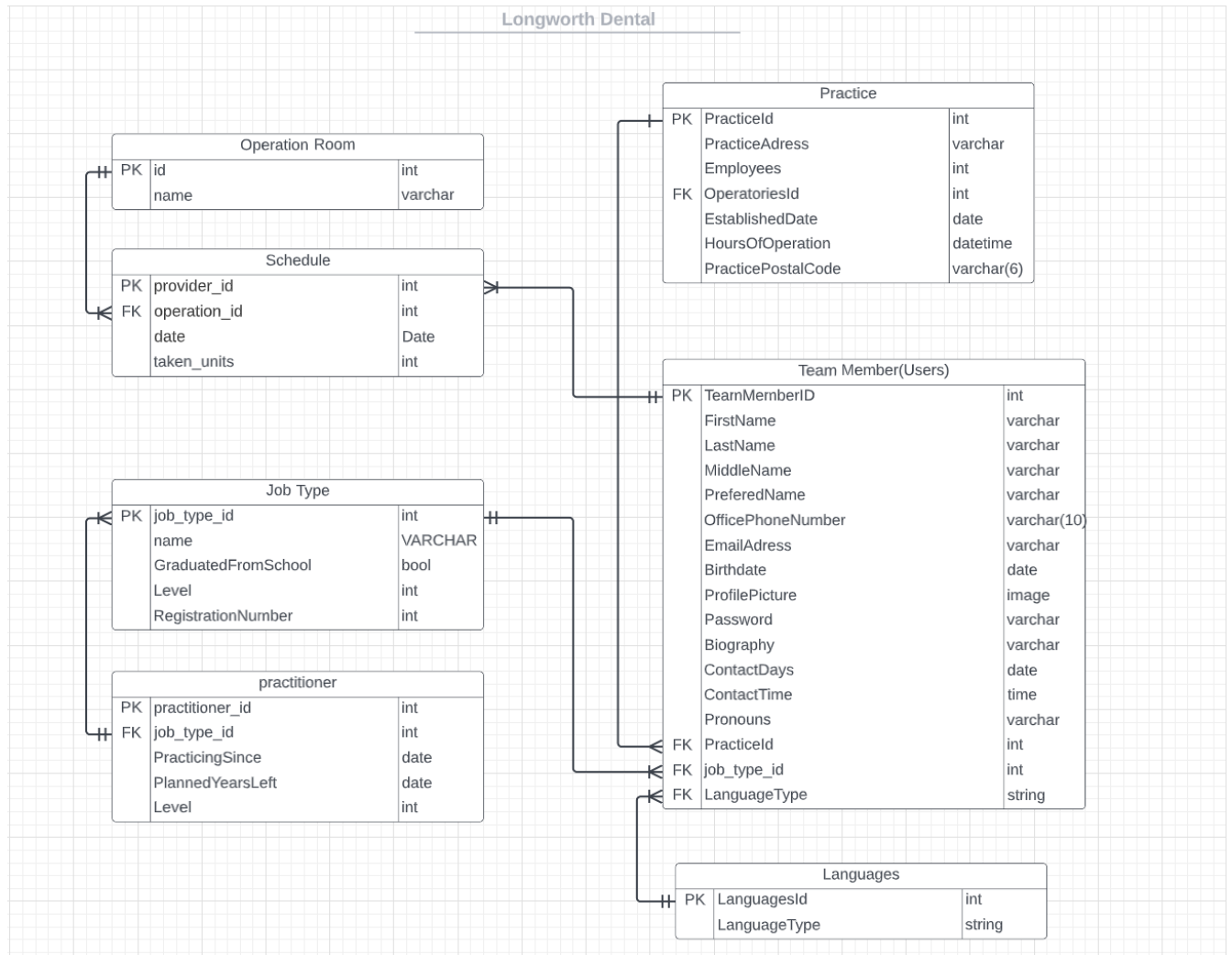
3. Existing Database and Servers

- The client will be responsible for buying a database and servers for the final product to be deployed on
- The database is being written in SQL
- The client will move ahead with the database and servers once the product is ready

4. Third Party Application Database

- The client uses a third party software - ClearDent. We will be reading some applicable data from this proprietary software's database and writing into our database before proceeding with using the data for analysis

Database Design Diagram




UI Design

Sign In Page

Desktop Version:

The screenshot shows a web browser window with the address bar displaying `localhost.trentu.ca/~sidaksingh/sra/40007/login.html`. The page title is "Sign In | Story". In the top right corner, there is a "CREATE ACCOUNT" link. The main heading is "Sign In to Story". On the left, there are two input fields: "EMAIL ADDRESS" with the placeholder text "name@example.com" and "PASSWORD" with the placeholder text "Password". Below these fields is a "SIGN IN" button. To the right of the password field is the word "OR". Further right are three social login buttons: "Continue with Apple" (with an Apple logo), "Continue with LinkedIn" (with a LinkedIn logo), and "Continue with Google" (with a Google logo). At the bottom, there is a link "CAN'T LOG IN?". A footer note states: "By creating an account or continuing to use a Story application, website, or software, you acknowledge and agree that you have accepted the [Terms of Service](#) and have reviewed the [Privacy Policy](#)."

Mobile Version: -

CREATE ACCOUNT

Sign In to Story

EMAIL ADDRESS


name@example.com


PASSWORD


Password

SIGN IN

OR

Continue with Apple

Continue with LinkedIn

Continue with Google

CAN'T LOG IN?

By creating an account or continuing to use a Story application, website, or software, you acknowledge and agree that you have accepted the [Terms of Service](#) and have reviewed the [Privacy Policy](#).

About our SIGN IN page design: - This is our project's Sign In page. To make it simpler and easier for our users to discover each piece on our page, we used a black and white layout. This has a sign-in form on the left side where users may sign in by just entering their credentials. To provide users the freedom to choose how they want to sign in, we have also introduced an option for them to utilize social sites like Apple, Google, and LinkedIn. The page elements are enhanced and made clearer by the OR line that separates these two types. After that, there is a Can't log in button that will direct the user to the Forgot Password Page. There is a line with the terms of service and privacy policy under it. The corporate logo of Open Book Reader may be seen at the top left of the website, and a button to register an account will be found on the right. Additionally, we have utilized various hover transitions on our website. For example, if the user hovers over the sign-in button, the backdrop will change to black and the text color to

white. It gives the page a simpler, more unified appearance. Additionally, the line under links on the website will transform when the user hovers over them.

Forgot Password Page

Desktop Version: -

Reset Password | Story

loki.trentu.ca/~sidaksinghara/4000Y/password.html

LOG IN

Forgot Password

Enter your account's email and we'll send you an email to reset the password.

EMAIL ADDRESS


name@example.com

SEND EMAIL

[FORGOT THE EMAIL ADDRESS?](#)

Secure Login with reCAPTCHA subject to Google [Terms & Privacy](#)

Mobile Version: -

 LOG IN

Forgot Password

Enter your account's email and we'll send you an email to reset the password.

EMAIL ADDRESS

name@example.com

SEND EMAIL

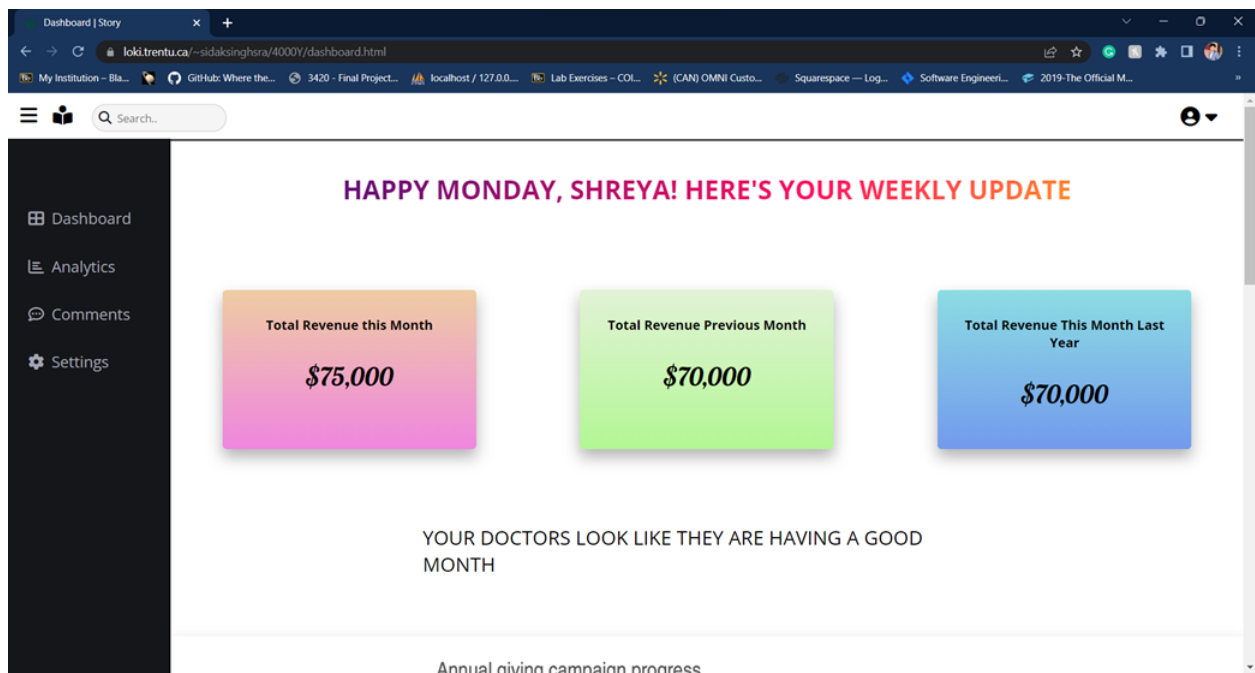
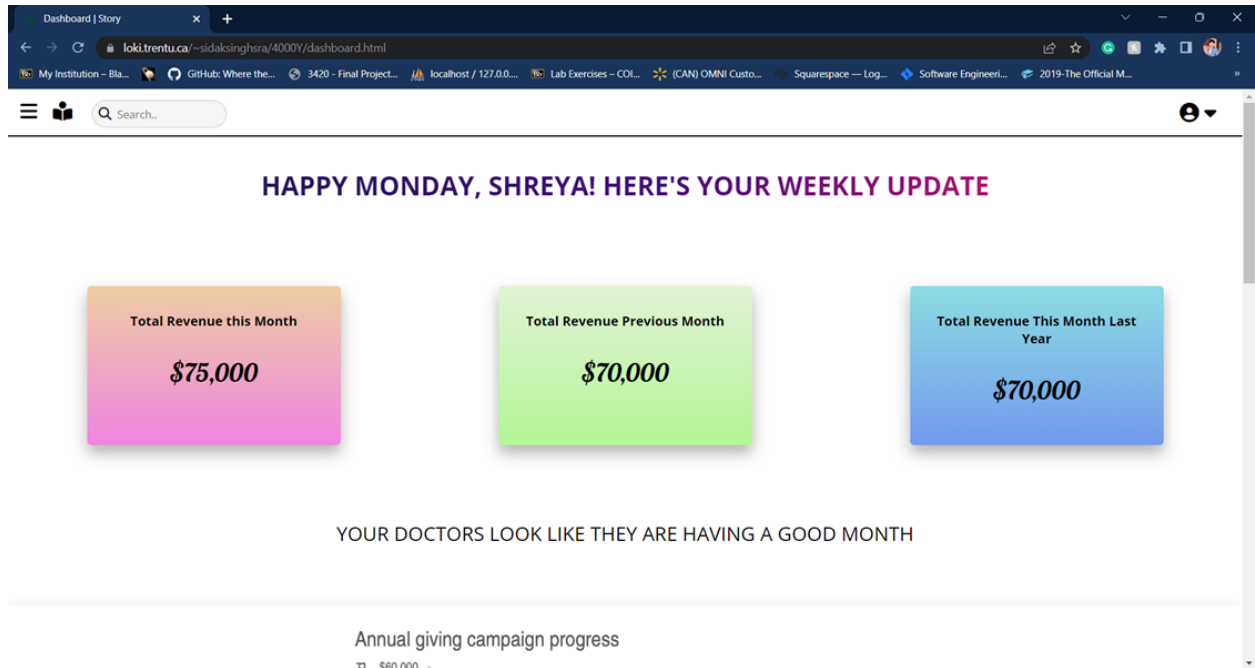
FORGOT THE EMAIL ADDRESS?

Secure Login with reCAPTCHA subject to Google [Terms](#) & [Privacy](#).

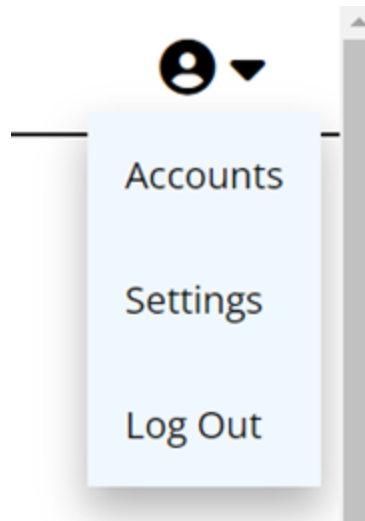
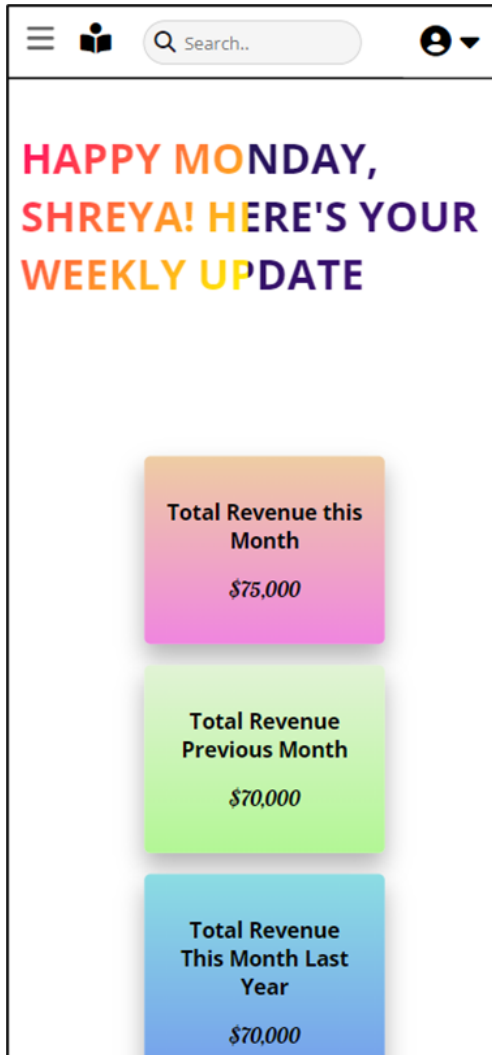
About our Forgot Password design: - Both the desktop version and the mobile version of our website contain a Forgot Password Page. As you can see, we used the same design for this as we did for the sign-in page to make it appear more streamlined, uniform, and user-friendly across all of the sites. All of the links on this page also have a transition effect. The user will be sent to the SIGN IN page if they click the LOGIN link, which is currently located at the top. The Terms & Policy link and statement are also on this page. To update their password for their credentials, users need to input their email address here and press the send email button.

Dashboard Page

Desktop Version



Mobile Version



About our Dashboard Page design: - This is our main dashboard page. The top navigation has a three-line bar on the left side that, when clicked once, will open the sidebar and instantly shrink the page's contents. When the user clicks on this sidebar once again, it can be closed. The text links in the sidebar also have a hover effect that causes them to get brighter and white as the user moves their cursor over them. Using a dark naval tone with white hues, we decided to stick with the same concept throughout the entire page. After that, the search input box appears, followed by the corporate logo.

The user profile dropdown button is located in the upper right corner of the navigation and, when clicked, opens the dropdown menu seen in the figure below.

The Account link, settings link, and Logout link will all be shown; we developed these links so that users could set their Account settings in one location and log out from this Profile button.

The user who is presently logged in has a welcome message written in the center of the home page. As you can see, we've included some text transition effects here, where the text changes colors as the page loads to make it appear nicer and draw users' attention to the fact that their names are displayed, and the day of the week is also indicated.

The total income generated by the company for this month, the previous month, and this month a year ago is represented by three boxes in a row, each of which is colored differently. Here, we've used various colors to help the boxes stand out more from one another and to make it apparent to the user which total revenue each box is displaying. In order to make these boxes seem higher on the page and draw the user's attention, we also created a box shadow.

Dashboard Numbers Page

Desktop Version

Numbers | Story

[loki.trentu.ca/~sidaksingh/4000Y/dashboardNumbers.html](#)

My Institution - Bla...
GitHub: Where the...
3420 - Final Project...
localhost / 127.0.0...
Lab Exercises - COL...
(CAN) OMNI Custo...
Squarespace — Log...
Software Engineer...
2019-The Official M...

LW Bomanville

emily@longworth.com

Dashboard

Analytics

Comments

Settings

Numbers

Add Day-End
Database Import
File Import
Edit

	DATE	AVAILABLE HOURS	DOWNTIME HOURS	GROSS PRODUCTION	MEMO
<input type="checkbox"/>	22-10-2020	5	2	5	
<input type="checkbox"/>	22-10-2022	4	2	5	
<input type="checkbox"/>	22-10-2022	4	2	5	
<input type="checkbox"/>	22-10-2022	4	2	5	
<input type="checkbox"/>	22-10-2022	4	2	5	

Mobile Version

LW Bomanville

emily@longworth.com

Dashboard

Analytics

Comments

Settings

Numbers

Add Day-End
Database Import
File Import
Edit

	DATE	AVAILABLE HOURS	DOWNTIME HOURS
<input type="checkbox"/>	22-10-2020	5	2
<input type="checkbox"/>	22-10-2022	4	2
<input type="checkbox"/>	22-10-2022	4	2
<input type="checkbox"/>	22-10-2022	4	2
<input type="checkbox"/>	22-10-2022	4	2

About our Numbers Page design: - Here is the layout of our Dashboard Numbers page. The data displayed on this page is fetched from our database. The users, who are doctors, may fill out this form by entering their available hours, downtime hours, gross production, and even writing their own note. The physicians can easily check their availability hours for a given day due to the table format style that we used. As there is a date column as well, it has a checkbox option in front of it that the user may select to mark. If the user selects the checkbox at the top of the table head, all of the table's rows' data will be selected. We built this to make editing and deleting data for users easier.

Additionally, the table has four links above it: Add day-end, database import, file import, and update the data. Users may simply and conveniently do the tasks in one location this manner. Furthermore, the sidebar's "numbers" link has a dropdown menu; clicking it displays a list of doctors and clicking one of those names displays data specific to that doctor.