Application Design Document

Contents

Important links

URL GitHub Repository
GitHub Repository Link:

https://github.com/jscammell/ISAD251Referral

GitHub SQL Statements Link:
https://github.com/jscammell/ISAD251Referral/blob/master/Documentation/SQL%20statements%20for%20database.txt

Links to website
Allocated web server link to run website:

http://web.socem.plymouth.ac.uk/ISAD251/jscammell/website/Home/index.php

Allocated API link:

http://web.socem.plymouth.ac.uk/ISAD251/jscammell/api

Proj-mysql database login details
Database: ISAD251_JScammell

Password: ISAD251_22212869

Link:

https://proj-mysql.uopnet.plymouth.ac.uk/sql.php?server=1&db=isad251_jscammell&table=appointment&pos=0

YouTube video
YouTube Video Link:

https://www.youtube.com/watch?v=GyB8M-pjDuw

Application Fact Sheet

GitHub link to documentation:
https://github.com/jscammell/ISAD251Referral/tree/master/Documentation

Application description

The application that I am making is for a family to manage appointments, time and deadlines. 2 users can be selected from the home screen. The 2 options are parent and child which have their own separate pages with different actions that can performed. As a parent they are able to add details of appointments, view upcoming appointments, change details of appointments, add notes to an appointment that have previously taken place and cancel appointments. Because they are the parent, they have this control for all family members regarding those actions they can perform. The child can perform less actions due to being a child and not giving them adult responsibilities in regard to using the website. The child is able to enter deadlines they ned to meet, view their own deadlines, show they have completed a deadline, move the deadline and delete their deadline.
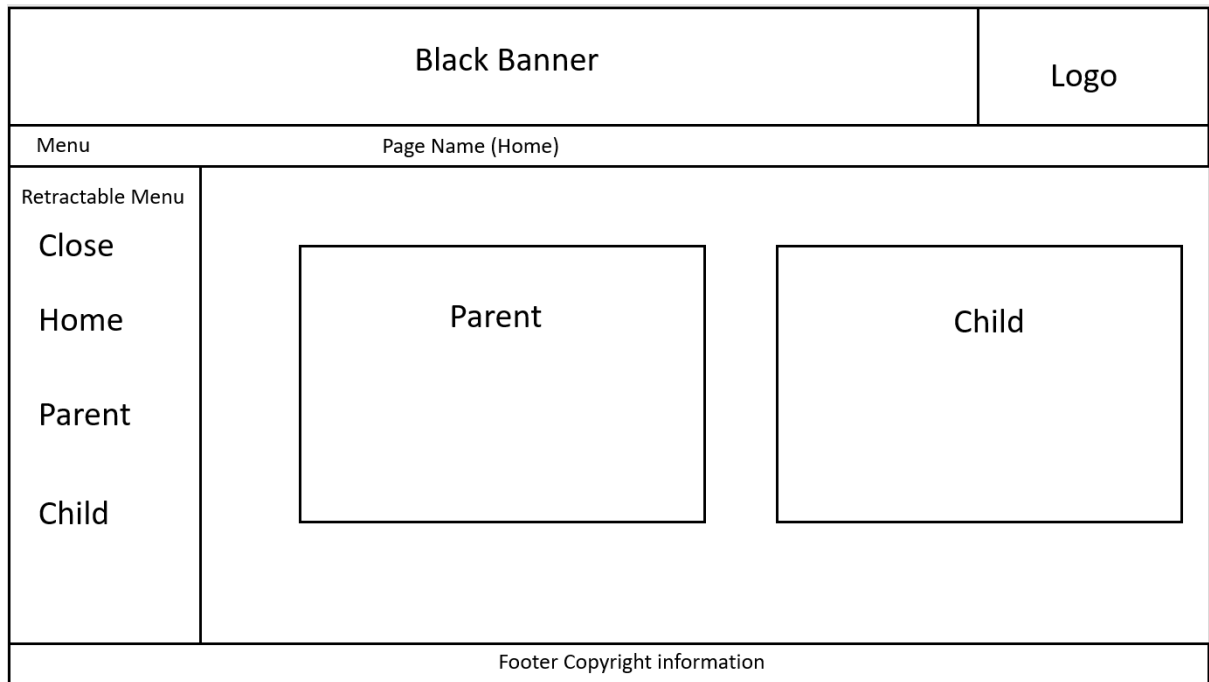
Operating the website is easy as the user is greeted with a home page that allows the selection between a parent or child. On both pages are large and easy to read buttons that bring up a pop up for the buttons related actions once clicked. Selecting view appointments for the parent would bring up all family member appointments for example. For an action that needs data input such as moving the deadline of a child appointment, the pop up will allow data entry of a new date so that it can be moved. The website has been designed to be minimalistic for younger demographics to be able to use due to children needing to use the website.

key features of the website

- Parents can perform actions and manage appointments for the entire family
- Children only being able to view and edit their own appointments.
- The use of pop ups to reduce the number of pages that are needed
- Pages made specifically for each user, parent and child to make it clearer as user specific functions will only be able to be performed on each page.
- Simple use of large buttons to and minimal material on each page to keep navigation smooth and fast loading times
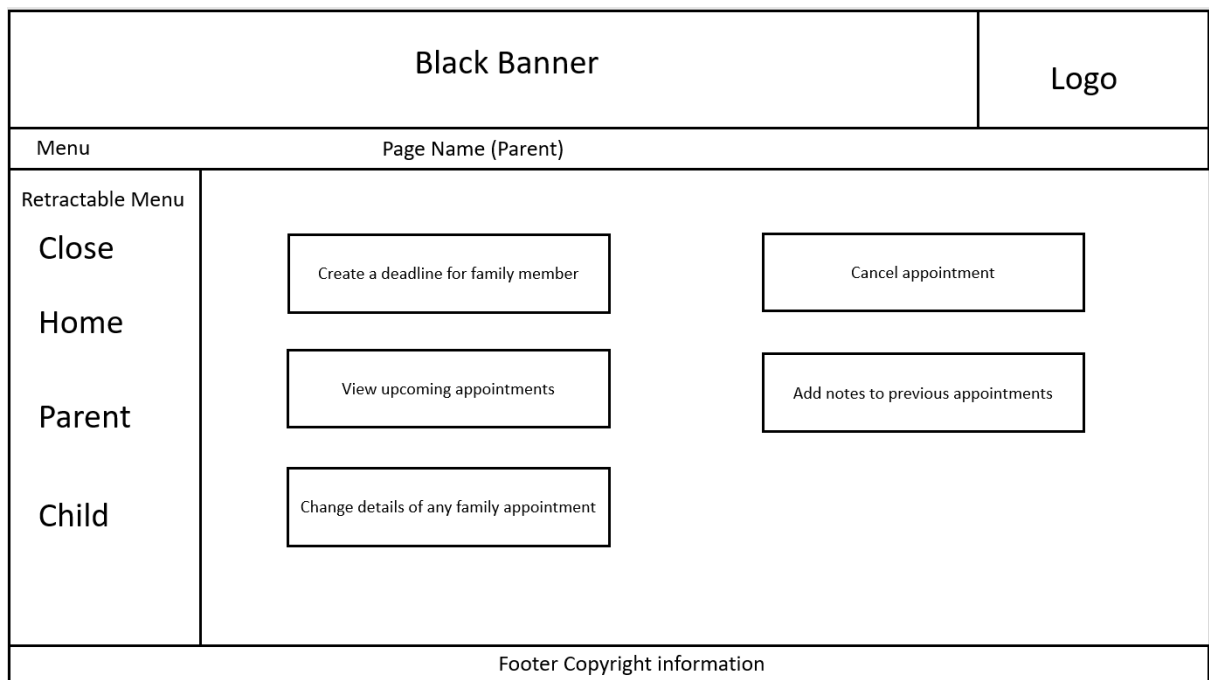
Storyboard

Home

Black Banner	**Logo**

Menu	Page Name (Home)

Retractable Menu	
Close	
Home	
Parent	
Child	

Parent	Child

Footer Copyright information

Parent Pages

Parent home screen

Black Banner	**Logo**

Menu	Page Name (Parent)

Retractable Menu	
Close	
Home	
Parent	
Child	

Create a deadline for family member

Cancel appointment

View upcoming appointments

Add notes to previous appointments

Change details of any family appointment

Footer Copyright information

Create family deadline

Black Banner	Logo

Menu	Page Name (Create Family Deadline)

Retractable Menu

Close

Home

Parent

Child

Appointment Name

Appointment Name...

Notes

Notes...

Details

Details...

Child Name

Child Name...

Date

Date...

Submit

Footer Copyright information

Cancel Appointment

Black Banner	Logo

Menu	Page Name (Cancel Appointment)

Retractable Menu

Close

Home

Parent

Child

Appointment Name

Appointment Name...

Submit

Footer Copyright information

View upcoming appointments

Black Banner	Logo

Menu	Page Name (View Upcoming Appointment)

Retractable Menu

Close

Home

Parent

Child

AppointmentID   **Appointment_Name**   **Notes**   **Details**   **Child_Name**   **Date**

Footer Copyright information

Add notes to previous appointments

Black Banner	Logo

Menu	Page Name (Add Notes To Previous Appointments)

Retractable Menu

Close

Home

Parent

Child

Appointment Name To Be Updated

| Appointment Name... |

Notes

| Notes... |

| Submit |

Footer Copyright information

Change details of any family appointment

Black Banner	Logo

Menu	Page Name (Change Details Of Any Family Appointment)

Retractable Menu

Close

Home

Parent

Child

Appointment Name To Be Updated

Appointment Name...

Details

Details...

Submit

Footer Copyright information

Child Pages

Child Home screen

Black Banner	Logo

Menu	Page Name (Child)	

Retractable Menu

Close

Home

Parent

Child

Add details of deadlines to be met		Move deadline
View Upcoming deadlines		Delete deadline
Show deadline has been met		

Footer Copyright information

Add details of deadlines to be met

Black Banner	Logo

Menu	Page Name (Add Details Of Deadlines To Be Met)

Retractable Menu

Close

Home

Parent

Child

Appointment Name

Appointment Name...

Notes

Notes...

Details

Details...

Child Name

Child Name...

Date

Date...

Submit

Footer Copyright information

Move deadline

Black Banner	Logo

Menu	Page Name (Move Deadline)

Retractable Menu

Close

Home

Parent

Child

Appointment Name To Be Updated

Appointment Name…

Date

Date…

Submit

View upcoming deadline

Black Banner	Logo

Menu	Page Name (View Upcoming Deadlines)

Retractable Menu

Close

Home

Parent

Child

Delete deadline

Black Banner	Logo

Menu	Page Name (Delete Deadline)

Retractable Menu

Close

Home

Parent

Child

Appointment Name

Appointment Name...

Submit

Footer Copyright information

Show deadline has been met

Black Banner	Logo

Menu	Page Name (Show Deadline Has Been Met)

Retractable Menu

Close

Home

Parent

Child

Appointment Name

Search...   Search

Footer Copyright information

Entity relationship Diagram (ERD)

UML Diagram

Family		
FamilyID	int	PK
Name	varchar(255)	NOT NULL

Person		
PersonID	int	PK
AppointmentID	int	FK

CompletedAppointment		
AppointmentID	INT	PK
Appointment_Name	VARCHAR(255)	NOT NULL
Notes	VARCHAR(255)	NOT NULL
Details	VARCHAR(255)	NOT NULL
PersonID	INT	FK
Date	DATETIME	NOT NULL

Appointment		
AppointmentID	INT	PK
Appointment_Name	VARCHAR(255)	NOT NULL
Notes	VARCHAR(255)	NOT NULL
Details	VARCHAR(255)	NOT NULL
PersonID	INT	FK
Date	DATETIME	NOT NULL

Testing website using Web Accessibility Initiative (WAI)

What has been done to work with WAI

Being able to tab through the website without using the mouse makes it easier for people with disabilities trying to navigate the website.

Use of opposing colours to make the button stand out and correlate them to either parent or child.

Use of large buttons so eye tracker technology could easily be used to click the buttons.

Simplistic and modern design with no clutter making it easy to navigate in general so it isn't difficult to use

What I would change and why

Add a setting for buttons to change colour for red blue colour blind people.

For hard of sight people, the use of audio descriptions when hovering over buttons so they know exactly what they're about to click on.

Enlarge font size button to also assist for people hard of sight.

Feedback Acquired from Demo – Changes Made

Feedback from Shirley Atkinson
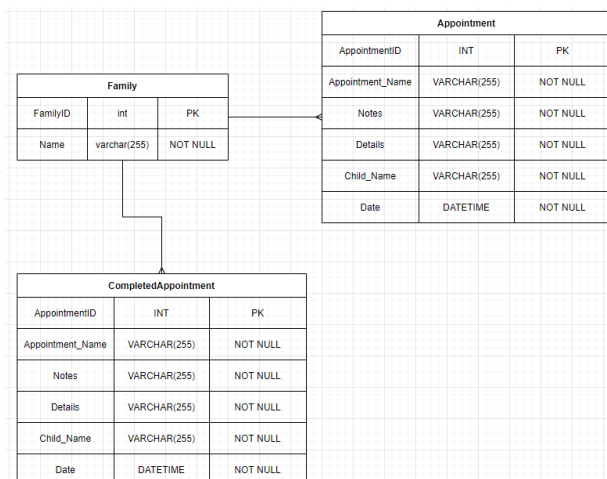
Feedback for website

- No need for appointmentId to be displayed viewing the appointment on the website due to the fact that the user doesn't need to know the ID.
- Add a confirm button before data is deleted like on cancel appointment and delete deadline. This is because they need confirmation before a destructive task is taken out.
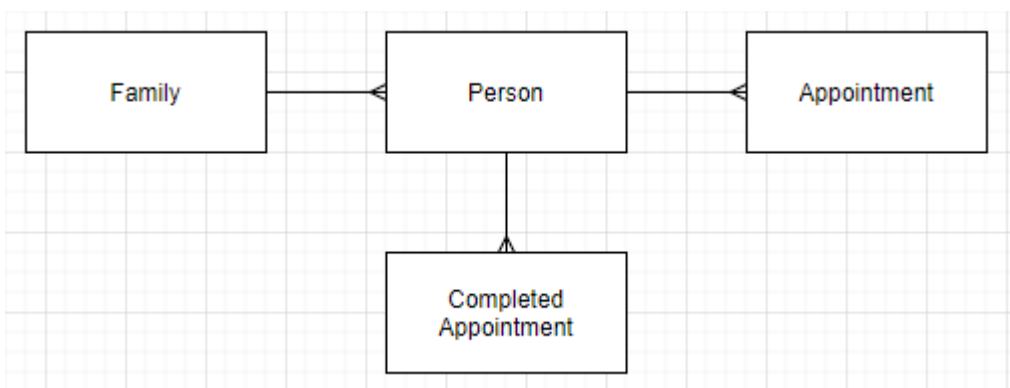
Feedback for ERD/UML

- Add a person table to link the family table and the appointment table
- Simplify the ERD as it currently is a mix of UML and ERD

Evidence of changes made
Original ERD too complicate

Appointment		
AppointmentID	INT	PK
Appointment_Name	VARCHAR(255)	NOT NULL
Notes	VARCHAR(255)	NOT NULL
Details	VARCHAR(255)	NOT NULL
Child_Name	VARCHAR(255)	NOT NULL
Date	DATETIME	NOT NULL

Family		
FamilyID	int	PK
Name	varchar(255)	NOT NULL

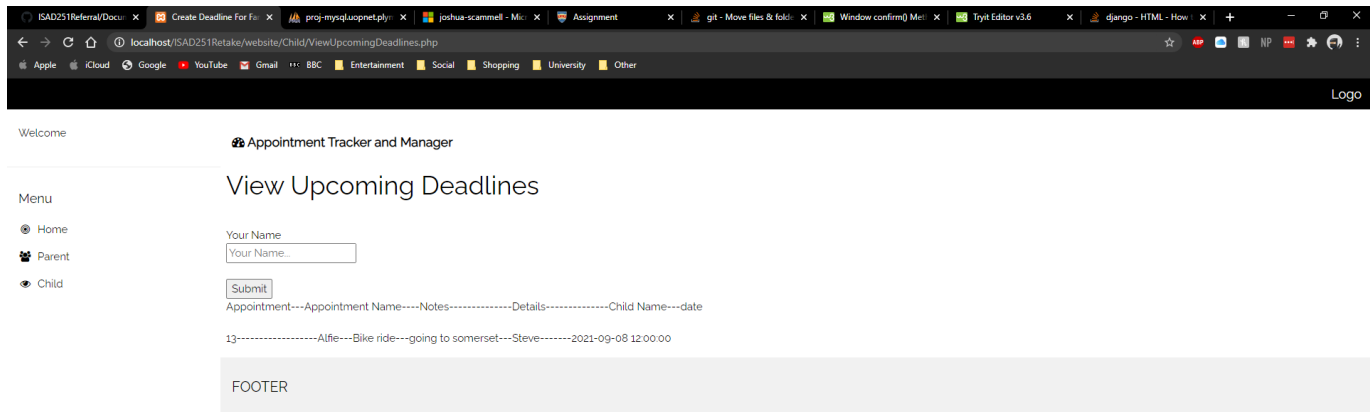| CompletedAppointment		
AppointmentID	INT	PK
Appointment_Name	VARCHAR(255)	NOT NULL
Notes	VARCHAR(255)	NOT NULL
Details	VARCHAR(255)	NOT NULL
Child_Name	VARCHAR(255)	NOT NULL
Date	DATETIME	NOT NULL

The finish ERD after feedback

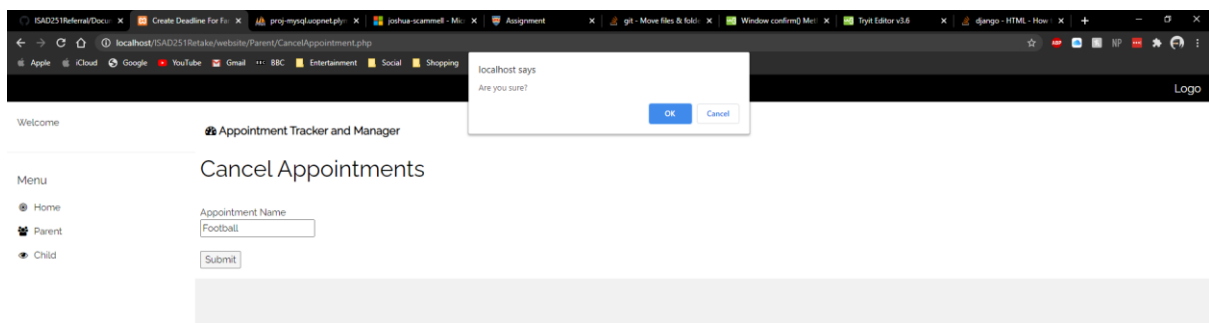Fixing issue with appointment ID being displayed to the user when they don't need to see it.

Appointment ID before fix still being shown

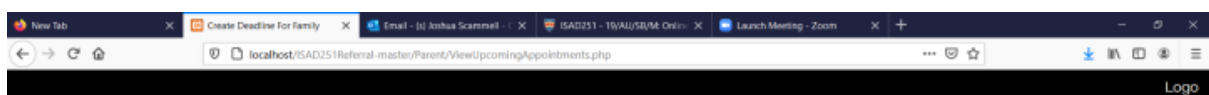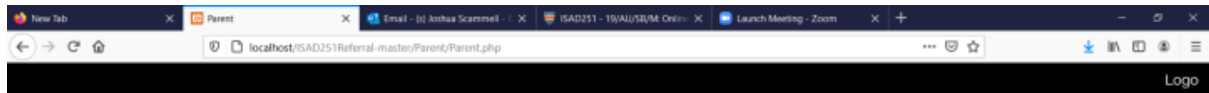Screenshot after appointment ID has been removed to comply with feedback
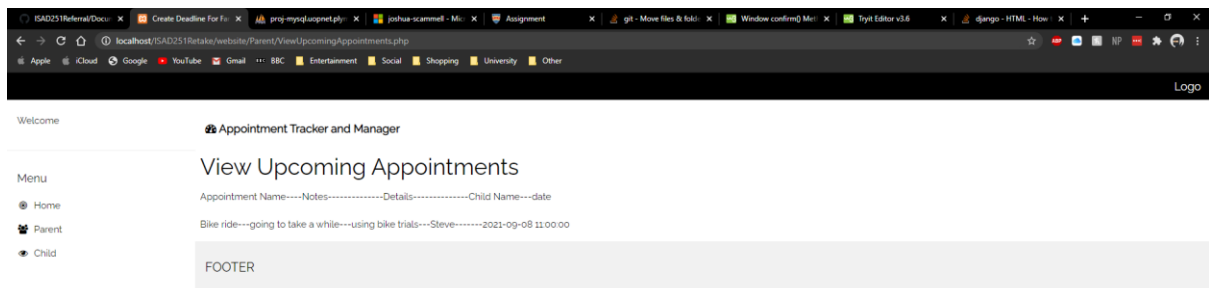
Fixing issue where user would not be able to confirm before deleting important data. A dialog box is now display when submit is clicked.
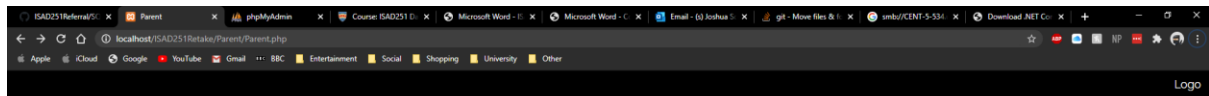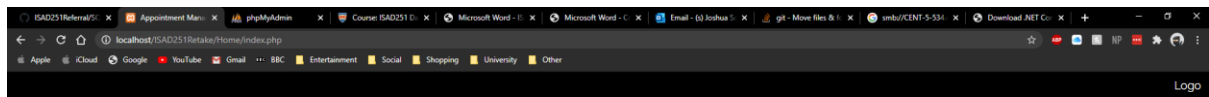
Screenshots of Application

Evidence of Website working on **Firefox**

Evidence of website working on **Google Chrome**

What I would change if time wasn't a constraint

Make the view pages easier to interpret by using a table instead of lining up the text manually. This would then make it look cleaner and ore organised while also keeping each relevant bit of information underneath the correct header.

Addition of more features such as editing every aspect of the deadlines/appointments allowing for user to have more control.