***Software engineering – Client-Side development – Code documentation***

**Jason Ankers – w20004105**

**Index.js**

Index.js is the file that react uses to render the entire site. App.js is called within the render. App.js contains the rest of the site. App.js is wrapped in the **<CookieProvider>** which allows the site to make use of the cookies across all pages which is used for the login system.

**App.js**

App.js contains the structure of the site. It also contains the routes for each page within the site. The routes act similarly to a tags in which they are links to each page within the site. The navbar and the footer are always displayed no matter what is rendered within the page content div.

**Booking.js**

Booking.js allows a customer user (UserType = 1) to create a booking with a barber of their choice. They select a barber, select a date and time and a type of haircut through a form. Using a turnery operator, the cuts that are marked as unavailable in the database are disabled in the drop-down menu meaning the customer cannot book an appointment for a haircut that is not available. They then submit the form which is checked on the backend to see if it overlaps with other bookings with that barber, if it doesn’t then the booking is created successfully. Code comments further explain the inner workings of the code.

**Footer.js**

This is simply a static page that is always generated at the bottom of any page content.

**Home.js**

The home page is the landing page for the site. It simply shows the user, whether they are logged in or not, what type of haircuts are currently available and which ones are not. Logic is explained in code comments.

**Index.css**

Index.css contains the css for every page on the site. Comments within the file demonstrate the purpose of each section.

**Login.js**

Login.js contains a form for the user to login to their existing account. It also contains a registration form to create an account in the database which they can then use to log in.

**ManageBookings.js**

ManageBookings.js shows the admin user (UserType = 2) a list of all current bookings within the database. Furthermore, it shows a form that the admin can submit that cancels (Deletes) bookings that they are not able to attend.

**ManageCuts.js**

Similarly to ManageBookings.js, ManageCuts.js allows the admin user to see the currently available cuts within the database that should be displayed on the home screen. A form then allows the admin to edit the values within the cut information such as name, cost etc. This form also allows the admin to remove the availability of that cut meaning users cannot select that haircut when making a booking.

**ManageUserAccount.js**

ManageUserAccount.js allows the user to edit their first name and second name on their account details in the database. Furthermore it allows the customer user to see all of their current bookings, alongside information about those bookings such as haircut type, which barber they are getting the cut with, the date and time of the booking etc. They are also able to pay for their bookings via PayPal.

**Navbar.js**

Navbar.js, much like footer.js, is always drawn at the top of the page content and provides a link to the NavDropdown menu which contains the navigation for the site.

**NavDropdown.js**

NavDropdown.js is the dropdown menu for all of the pages within the site. The EvaluateUser() function takes in the userType from the cookies in order to determine which user is logged into the site. Then, after determining this, the NavDropdown menu is conditionally rendered based upon if the user is not logged in, or if they are, then which user type are they (Admin or Customer).

**ResetPassword.js**

This allows the user to reset their password for their account. This can be accessed on the manage account page. It is a form that is submitted and dealt with on the back end.

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