**APPENDIX**

**Software Source Code**

**Web Application:**

Programming Language: JavaScript

Web Development Framework: React

// This file loads all required components of the application

import React from "react";

import { AppPrimaryHeader } from "../components/organisms/header";

import { ChakraUIInit } from "../theme/chakra/chakra-setup";

import { UserPrimaryRoute } from "./routes";

import { AuthRoute } from "./auth-routes";

import { BrowserRouter as Router } from "react-router-dom";

import { TemplateAuth } from "../components/templates/auth";

import { observer } from "mobx-react";

import { userManager } from "../store/user";

import toast, { Toaster } from "react-hot-toast";

export default observer(function () {

 React.useEffect(() => {

   userManager.checkSignedInUser();

 }, []);

 return (

   <React.Fragment>

     <Toaster />

     <ChakraUIInit>

       <AppDashboard />

     </ChakraUIInit>

   </React.Fragment>

 );

});

const AppDashboard = observer(() => {

 let { canSignin, loadToken, loadUserProfile, user } = userManager;

 if (user == undefined) {

   return (

     <React.Fragment>

       <Router>

         <TemplateAuth>

           <AuthRoute />