Navigo
Easy. Convenient.

Get Started ⬇

Sprint 4 Deliverable :

CS 691 - Computer
Science Project 1

Prof. Henry Wong

Group 1:

- Priya (is13658n@pace.edu)
- Kartik (kk96691n@pace.edu)
- Sunil (sm12210n@pace.edu)
- Pranav (pk73658n@pace.edu)
- Bharath (sv90693n@pace.edu)
- Rahul (rs15193n@pace.edu)

Introduction to Navigo

❏ Navigo is a navigation based web application which helps the end users in navigation based on the user's image input.
❏ In order to use our Navigo services, the end user must be a subscriber (registered) user. The user can first get started by creating an account in our website.
❏ The user also receives details/information such as address details, travel duration, office hours, redirecting to website, etc.
❏ The user can register for Navigo's services by signing up/creating a new account in our website. The user then logs in with his ID/password credentials and start using our service. The registered user can input an image for scanning for navigation.
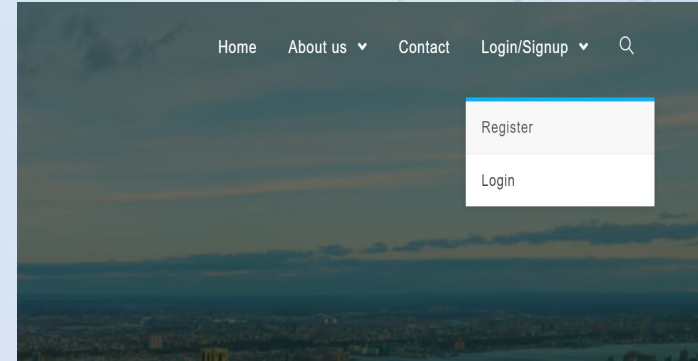
User Stories

Registration User Story (Sign up):

Scenario 1: Unregistered User should see a link to user signup:

Given an unregistered user. When the user enters our website, a link to sign up as a user should be available for the user. Using either the "Get started icon" or "Register" from Login/Sign up drop down menu, the user can access the link for sign up.

Scenario 2: Unregistered User should see a registration form:

Given an unregistered user. When the user clicks on" Don't have an account?? Click below to Register", then the user should see a form allowing the user to sign up for our website. By clicking the register button below the " Don't have an account?? Click below to Register" prompt, the user can see the registration form.

User Stories

Scenario 3: Unregistered User should receive confirmation email on signup:

Given an unregistered user. When the user fills out the sign up form and clicks submit, then the user should receive a confirmation email with a link from Navigo that activates the user's account. The following fields are to filled up by the user, in the registration form.

❏ Username
❏ First Name
❏ Last Name,
❏ E-Mail
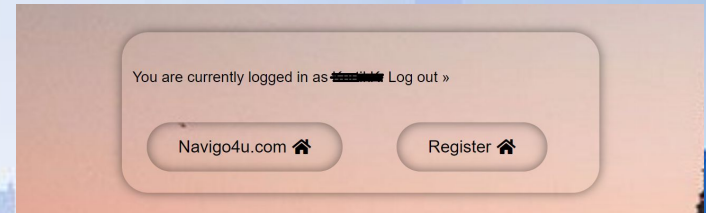❏ Password (Strong Password with a minimum of 8 characters)

Scenario 4: Unregistered User should be able to activate user account:

Given an unregistered user. When the user receives and activates the account confirmation link, the user should be able to have his account activated (registered account), through which he can use our services.

User Stories

Login Page User Story:

Scenario 1: Registered User should be able to enter the login credentials on the login form:
Given a Registered user. When the user enters our (Navigo) website, The user should see login screen with input data fields for
- ❏ 1) Username
- ❏ 2) Password

Scenario 2: Registered User should be able to successfully login with his correct credentials.
Given a Registered user. When the user, User should be able to successfully login using his correct username and password. He should also see a screen that displays "you are currently logged in as xyz".

User Stories

Scenario 3: Registered User should get a prompt if the user enters incorrect credentials.

Given a Registered user: When a user enters incorrect login credentials (username, password or both), our Navigo website should display a message the following message to the user, "The password you entered is incorrect. Lost your password?". The user is notified about an unsuccessful login with this.

ERROR: The password you entered is incorrect. Lost your password ?

Username or Email

Password

☐ Remember Me

LOG IN

Navigo4u.com 🏠   Register 🏠

Acceptance Criteria

- ❏ From the homepage, the user should be able to access the login page via a sign in link.
- ❏ On the site when the user clicks the 'sign-in' link, the user is redirected to the login page where the user can enter the email and password for authentication.
- ❏ Upon successful login, the user is redirected to the successful login page.
- ❏ Upon successful login, the user's Username is displayed and displays a "You are currently logged in as, xyz" message.
- ❏ If the user enters an incorrect username and or password, the user should see an appropriate error message indicating that the user's credentials are incorrect.
- ❏ The user should be able to retry authenticating.
- ❏ The user's password needs to follow the Navigo's strong password policy for secure passwords.
- ❏ The user should also see a link which allows me to register if the user is a new user.

Test Cases

Test Content	Test Case ID	Test Scenario	Test Data	Expected Results	Actual Results	Testing Result
Home Page	NO000000001	Home Page	On-Click	NO Validation Errors	NO Validation Errors	PASS
	NO000000002	home page - Logo	On-Click	Redirect to "home" page	Redirected to "home" page	PASS
	NO000000003	Home Page - Button - Start Here	On-Click	Redirect to "Login/Signup" Page	Redirected to "Login/Signup" Page	PASS
Home - Menu	NO000000004	Home	On-Click	Redirect to "home" page	Redirected to "home" page	PASS
	NO000000005	About us	On-Click	Redirect to "About us" page	Redirected to "About us" page	PASS
	NO000000006	About us - Drop Down - Our Services	On-Click	Redirect to "Our Services" page	Redirected to "Our Services" page	PASS
	NO000000007	About us - Drop Down - Our Team	On-Click	Redirect to "Our Team" page	Redirected to "Our Team" page	PASS
	NO000000008	Contact	On-Click	Redirect to "Contact" page	Redirected to "Contact" page	PASS
	NO000000009	Login/Signup	On-Click	Redirect to "Login/Signup" Page	Redirected to "Login/Signup" Page	PASS
	NO000000010	Login/Signup - Drop Down - Register	On-Click	Redirect to "Registration" Page	Redirected to "Registration" Page	PASS
	NO000000011	Login/Signup - Drop Down- Login	On-Click	Redirect to "Login" Page	Redirected to "Login" Page	PASS
	NO000000012	Search	On-Click	Provides articles related to website	Provided articles related to website	PASS
Contact	NO000000013	Location Map	On-Click,Scroll, On-Click+Drag	Navigate through the map	Navigated through the map	PASS
	NO000000014	Contact form - Name	Pranav	NO Validation Errors	NO Validation Errors	PASS
	NO000000015	Contact form - Name	*Blank*	Validation Errors - "The field is required"	Validation Errors - "The field is required"	PASS
	NO000000016	Contact form - Email	Pranav@gmail.com	NO Validation Errors	NO Validation Errors	PASS
	NO000000017	Contact form - Email	*Blank*	Validation Errors - "The field is required"	Validation Errors - "The field is required"	PASS
	NO000000018	Contact form - Subject	Registration	Accept the data from user	Accepts the data from user	PASS
	NO000000019	Contact form - Your message	Hello, Call me back	Accept the data from user	Accepts the data from user	PASS
	NO000000020	Contact form - Button - Send	On-Click	forward the contact form to the mail Specified by admin	forwards the contact form to the mail Specified by admin	PASS

Test Cases

22	Login/Signup	NO000000021	Login/Signup	On-Click	Redirect to "Login/Signup" Page	Redirected to "Login/Signup" Page	PASS
23		NO000000022	Login/Signup - Button - Register	On-Click	Redirect to "Registration" Page	Redirected to "Registration" Page	PASS
24		NO000000023	Login/Signup - Button - Login	On-Click	Redirect to "Login" Page	Redirected to "Login" Page	PASS
25	Register	NO000000024	Check with Username	Pranav	NO Validation Errors	NO Validation Errors	PASS
26		NO000000025	Check with First Name	Pranav	NO Validation Errors	NO Validation Errors	PASS
27		NO000000026	Check with Last Name	Kullappa	NO Validation Errors	NO Validation Errors	PASS
28		NO000000027	Check with valid E-mail	pranavkullappa@gmail.com	NO Validation Errors	NO Validation Errors	PASS
29		NO000000028	Check with Password - less than 8 characters	test	Password Indicator indicates "Very weak"	Password Indicator indicated "Very weak"	PASS
30		NO000000029	Check with Password - More than 8 characters	test1234*ab	Password Indicator indicates "Weak"	Password Indicator indicated "Weak"	PASS
31		NO000000030	Check with Password - More than 8 characters	test1234*ab$$	Password Indicator indicates "Medium"	Password Indicator indicated "Medium"	PASS
32		NO000000031	Check with Password - More than 8 characters	test1234*ab$$143	Password Indicator indicates "Strong"	Password Indicator indicated "Strong"	PASS
33		NO000000032	Check with Repeat Password	test1234*ab$$143	NO Validation Errors	NO Validation Errors	PASS
34		NO000000033	Check with Incorrect Repeat Password	test	Validation Errors - "The passwords do not match"	Validation Errors - "The passwords do not match"	PASS
35		NO000000034	Check with Password - Very weak, Weak, Medium	test, test1234*ab, test1234*ab$$	Validation Errors - "The password must have a minimum strength of Strong". Reset Password and Repeat Password.	Validation Errors - "The password must have a minimum strength of Strong". Reset Password and Repeat Password.	PASS
36		NO000000035	Check without Username	*Blank*	Validation Errors - "Please fill out this field".	Validation Errors - "Please fill out this field".	PASS
37		NO000000036	Check with invalid E-mail	pranavkullappa.com	Validation Errors - "Please include an '@' in the Email address". Reset Password and Repeat Password.	Validation Errors - "Please include an '@' in the Email address". Resets Password and Repeat Password.	PASS
38		NO000000037	Check with invalid E-mail	pranavkullappa@com	Validation Errors - "The email you entered is not a valid email address". Reset Password and Repeat Password.	Validation Errors - "The email you entered is not a valid email address". Resets Password and Repeat Password.	PASS
39		NO000000038	Check with Existing Username	sm12210n	Validation Errors - "This username already exists". Reset Password and Repeat Password.	Validation Errors - "This username already exists". Resets Password and Repeat Password.	PASS
40		NO000000039	Check without First Name	*Blank*	Validation Errors - "Please fill out this field". Reset Password and Repeat Password.	Validation Errors - "Please fill out this field". Reset Password and Repeat Password.	PASS
41		NO000000040	Check without Last Name	*Blank*	Validation Errors - "Please fill out this field". Reset Password and Repeat Password.	Validation Errors - "Please fill out this field". Reset Password and Repeat Password.	PASS
42		NO000000041	Button - Register	On-Click. If all constraints Satisfied.	Redirect to success page.	Redirects to success page.	PASS
43		NO000000042	Button - Register	On-Click. If all constraints not Satisfied.	Validation Errors	Validation Errors	PASS
44		NO000000043	Button - Navigo4u.com	On-Click	Redirect to Home page.	Redirects to Home page.	PASS
45		NO000000044	Button - Login	On-Click	Redirect to Login page.	Redirects to Login page	PASS

Test Cases

	A	B	C	D	E	F	G
46	Post - Registration	NO000000045	Register	Success	Redirect to succes page with message: "Before you can access your account Pranav, you need to confirm your email address. Please check your inbox and click the activation link".	Redirect to succes page with message: "Before you can access your account Pranav, you need to confirm your email address. Please check your inbox and click the activation link".	PASS
47		NO000000046	Button - Navigo4u.com	On-Click	Redirect to Home page.	Redirects to Home page.	PASS
48		NO000000047	Button - Login	On-Click	Redirect to Login page.	Redirects to Login page	PASS
49	Email Verfication	NO000000048	Verification mail with a activation key	on-click	Redirect to Navigo4u with message: " your email was successfully confiirmed"	Redirects to Navigo4u with message: " your email was successfully confiirmed"	PASS
50	Login	NO000000049	Check with Username	Pranav	NO Validation Errors	NO Validation Errors	PASS
51		NO000000050	Check with Email	pranavkullappa@gmail.com	NO Validation Errors	NO Validation Errors	PASS
52		NO000000051	Check without Username	*Blank*	Validation Errors - "The username field is empty".	Validation Errors - "The username field is empty".	PASS
53		NO000000052	Check without Email	*Blank*	Validation Errors - "The username field is empty".	Validation Errors - "The username field is empty".	PASS
54		NO000000053	Check with password	test1234*ab$$143	NO Validation Errors	NO Validation Errors	PASS
55		NO000000054	Check without password	*Blank*	Validation Errors- "The password field is empty".	Validation Errors- "The password field is empty".	PASS
56		NO000000055	Check with invalid Username	prana	Validation Errors- "Invalid username or email".	Validation Errors- "Invalid username or email".	PASS
57		NO000000056	Check with invalid Email	pranavkull@gmail.com	Validation Errors- "Invalid username or email".	Validation Errors- "Invalid username or email".	PASS
58		NO000000057	Check with incorrect password	test	Validation Errors- "The password you entered is incorrect. Lost your password ?."	Validation Errors- "The password you entered is incorrect. Lost your password ?."	PASS
59		NO000000058	Button - Login	On-Click. If all constraints Satisfied.	Redirect to success page.	Redirects to success page.	PASS
60		NO000000059	Button - Login	On-Click. If all constraints not Satisfied.	Validation Errors	Validation Errors	PASS
61		NO000000060	Button - Register	On-Click	Redirect to "Registration" Page	Redirected to "Registration" Page	PASS
62		NO000000061	Button - Navigo4u.com	On-Click	Redirect to Home page.	Redirects to Home page.	PASS
63	Post - Login	NO000000062	Login	Success	Redirect to succes page with message: "You are currently logged in as Pranav".	Redirects to succes page with message: "You are currently logged in as Pranav".	PASS
64		NO000000063	Button - Navigo4u.com	On-Click	Redirect to Home page.	Redirects to Home page.	PASS
65		NO000000064	Button - Register	On-Click, if already logged in	Redirect to a page with message: "You are currently logged in as Pranav Kullappa. You don't need another account".	Redirects to a page with message: "You are currently logged in as Pranav Kullappa. You don't need another account".	PASS
66	Chatbot	NO000000065	Home - Chatbot	On-click	Open a chat window.	Opens a Chat Window.	PASS
67		NO000000066	Home - Chatbot - offline	On-click	Allow user to leave a message to chat admin.	Allows user to leave a message to chat admin.	PASS
68		NO000000067	Home - Chatbot - offline	On-click	Collect name, email and message of user and forward it to chat admin and shows a thank you note post submission.	Collects name, email and message of user and forward it to chat admin and shows a thank you note post submission.	PASS
69		NO000000068	Home - Chatbot - online	On-click	Pop-up an option for user to start chat.	Pop-ups an option for user to start chat.	PASS
70		NO000000069	Home - Chatbot - online - Start Chat	On-click	Collect name and email ID of the user. On submission, user can start interacting with the chat admin	Collects name and email ID of the user. On submission, user can start interacting with the chat admin	PASS
71		NO000000070	Home - Chatbot - End Botton	On-click	Exit the chat room.	Exits the chat room.	PASS

Persona

Many new york yankees fan come to watch baseball to USA from different parts of the world, each of them having different native languages. Matt is 15 years old student also yankee's fan, who wants to reach a stadium and have no idea about the stadium location. He logged in Navigo application, and searched the stadium name in which address, map, travel duration, new york yankees schedule, ticket cost, etc were provided. Navigo made life easier.

Persona:

An Indian lady in her 50's came to New York to visit her son, she is not much familiar with locations. Her son has to go to office everyday so if she wants to visit all the tourist attractions on her own, thus when she uses navigo application, she just needs to register and login in Navigo application, in which she has to speak the names of the places to visit and the Navigo application will provide with all the relevant information about the place. Instead of using multiple websites and app she just has to use one application, so it becomes easier for her.
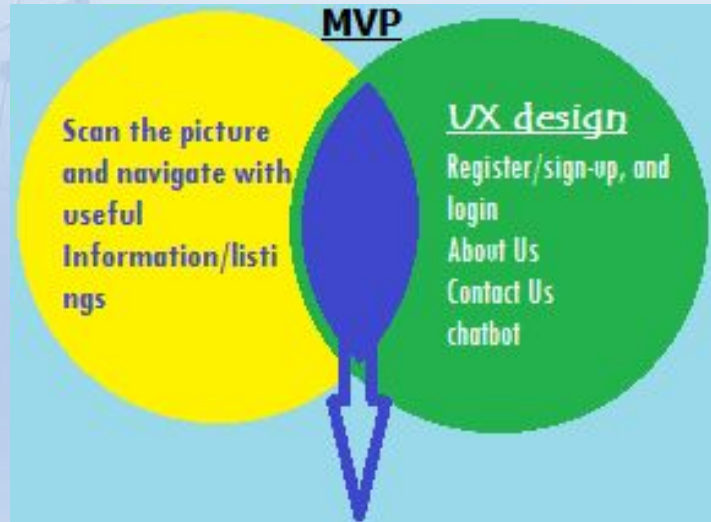
Minimum Viable Product

A minimum viable product (MVP) is a development technique in which a new product or website is developed as an early build of the final product.

- Our website for Navigo which can be used primarily for registration/login.
- The user can register for Navigo's services by signing up/creating a new account on our website.
- End-user (unregistered) can use our sign-up form to create an account. After filling the sign up form (Unique Username, First Name, Last Name, E-Mail, Password) the user needs to then confirm the account after receiving the confirmation mail from Navigo.
- The Website also has an 'About Us' page which displays the information regarding our services and our team.
- It also includes a contact page through which a user can contact the Navigo Team for any queries or questions regarding our application.
- We implemented chatbot which is an automated system of communication with users.
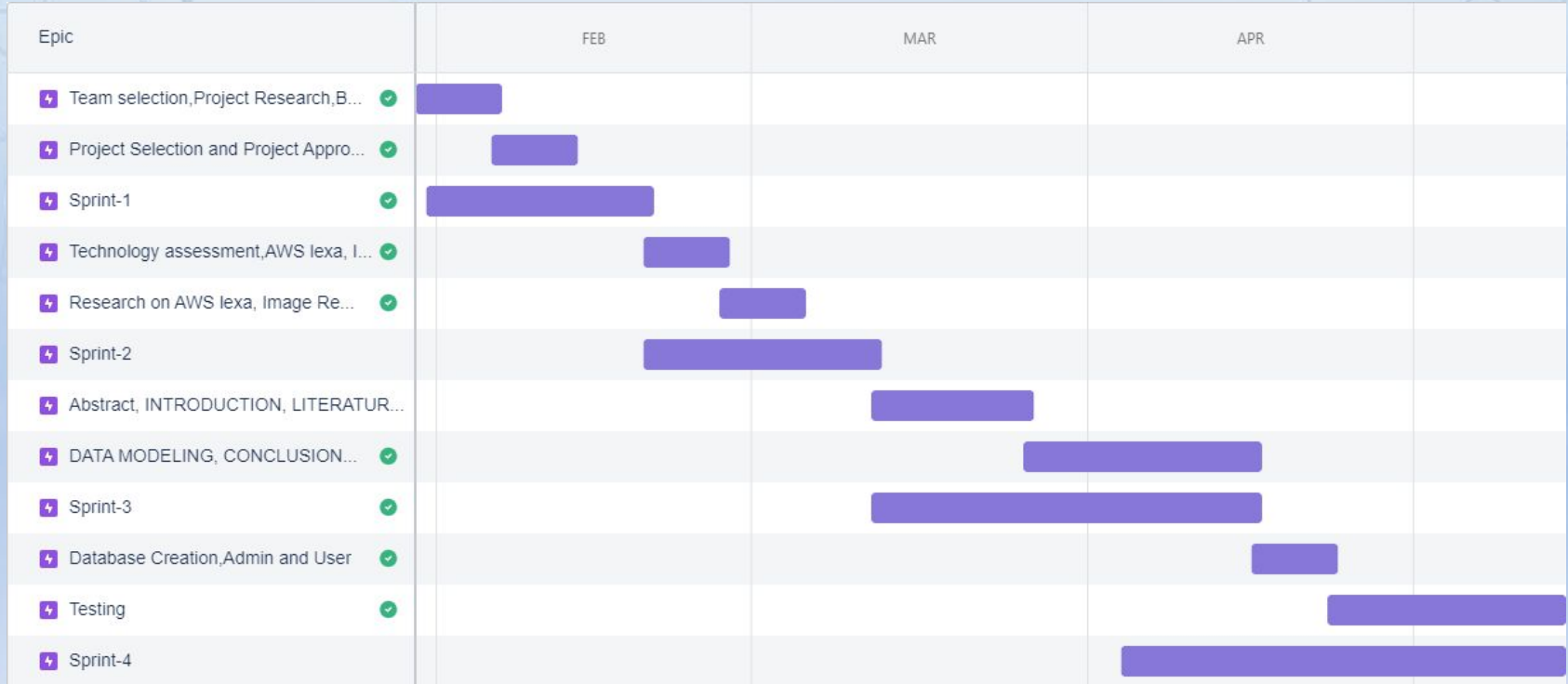
Minimum Viable Product- Minimum Awesome Product

MVP

Scan the picture and navigate with useful Information/listings

UX design
Register/sign-up, and login
About Us
Contact Us
chatbot

Service+ ux = Business

DO Scan the picture and navigate with useful Information/listings	PLAN Clone the Google API with required information in mobile application
DELEGATE Consider third-party permitted applications.	ELIMINATE Remove multiple web pages and make it user friendly.

Sprint map

Epic	FEB	MAR	APR
Team selection,Project Research,B... ✓			
Project Selection and Project Appro... ✓			
Sprint-1 ✓			
Technology assessment,AWS lexa, I... ✓			
Research on AWS lexa, Image Re... ✓			
Sprint-2			
Abstract, INTRODUCTION, LITERATUR...			
DATA MODELING, CONCLUSION... ✓			
Sprint-3 ✓			
Database Creation,Admin and User ✓			
Testing ✓			
Sprint-4			

Sprint Log

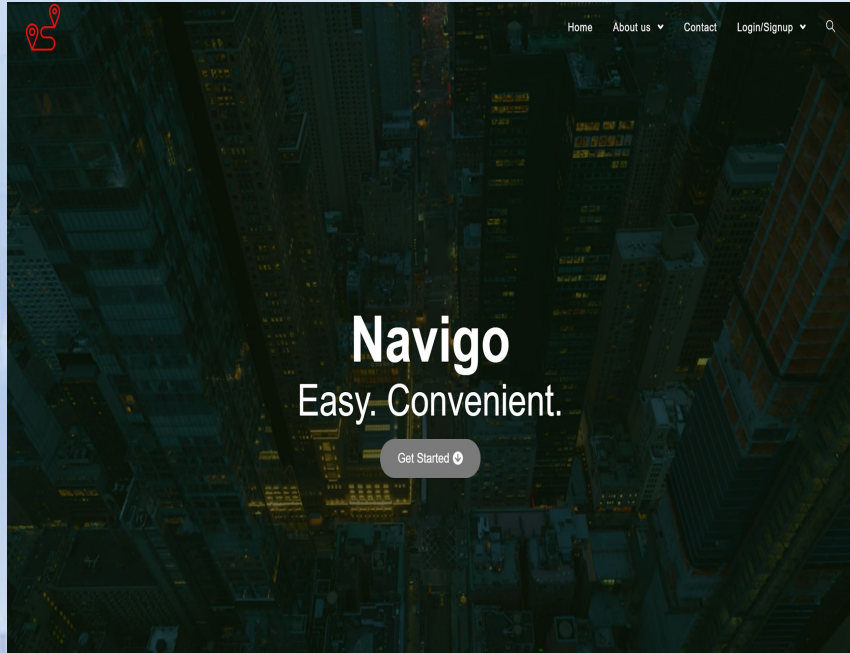| Task	Status	Priority	Working Hours
Product backlog/ Documentation update	Done	High	5.5
Wiki page: Code, Technology tools and Project Management	Done	Medium	5
Wiki page: Architecture and Design, Burndown Charts, Demo	Done	Medium	2
coding - Home Page, About Us, Contact and Chatbot	Done	High	12
coding - User Signup and Login	Done	High	12.5
Manual Testing	Done	High	1
Draft document on design and technologies	Done	High	5
Sprint 4 documentation	Done	Medium	6
Retrospective documentation/MVP	Done	Medium	2

Product Backlog

- Offline Searching
- Collecting listings data
- Geolocation is a must
- Google Maps SDK for iOS and Android
- Google Places API
- Bookmark locations
- Voice-guided directions
- Traffic Data (wherever available)
- Alternate routes
- Speed limit display
- Redirecting location name to individual website to clone with particular place visiting time, schedule, ticket cost/coupons/discounts, search engine recommendations near to that place
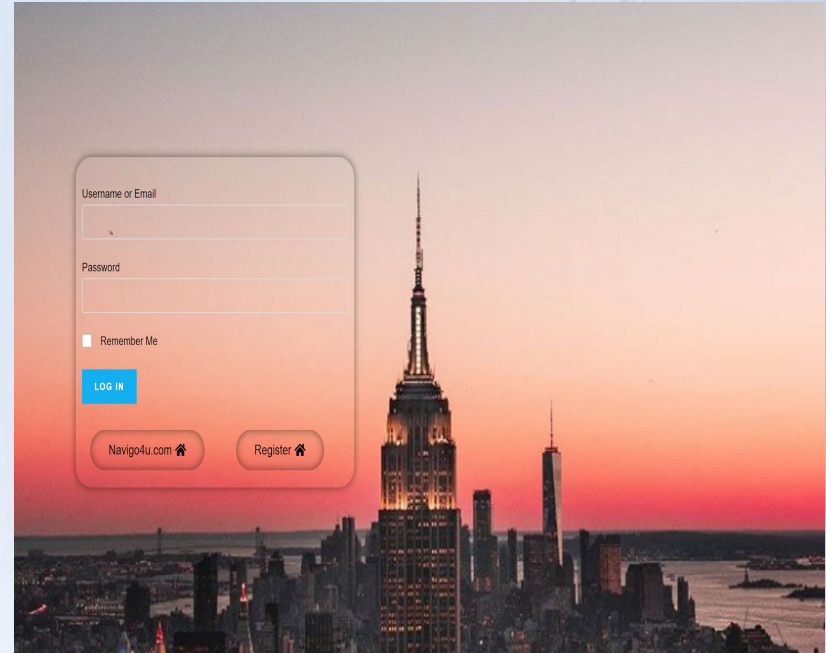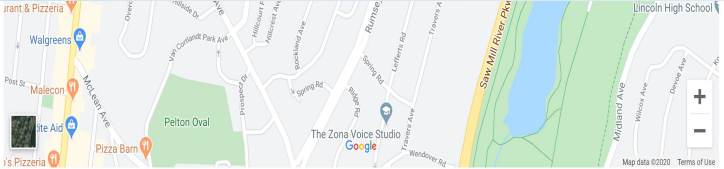
Navigo Preview

Landing/home page

Signup

Navigo Preview

Contact us

✉ E-mail: sm12210n@pace.edu
☎ Contact : +1 (201) 201 2012
🏢 Address: One Pace Plaza, New York, NY 10038

Your Name (required)

Your Email (required)

Subject

Your Message

SEND

Register and login

• Username*

• First Name

• Last Name

• E-mail*

• Password*

Minimum length of 8 characters.
The password must have a minimum strength of Strong. Strength indicator

• Repeat Password*

REGISTER

Navigo4u.com   Login ➜

Technologies

Github

Wiki - https://github.com/CS691-001/Project-1/wiki

Repositories - https://github.com/CS691-001/Project-1

Thank you