

3.1 – DESIGN ASPECTS

1. USE CASES-:

USER REGISTRATION-:

ACTOR-: New User

GOAL-: To help new user to get registered

DESCRIPTION-: It will help all the new user to register themselves in the software for the ease usage of the software.

USER LOGIN-:

ACTOR-: Already registered user

GOAL-: To help registered user to log into their account

DESCRIPTION-: It will help the registered user to log into their account safely and securely.

BROWSE LOCATION-:

ACTOR-: Registered user

GOAL-: To help users to browse location

DESCRIPTION-: It will help users to browse the location for locating charger.

BOOKING-:

ACTOR-: Registered user

GOAL-: To help users to book the spot of socket

DESCRIPTION-: It will help to book the socket for desired time.

VIEW PROFILE-:

ACTOR-: Registered user

GOAL-: To view and update profile

DESCRIPTION-: It will help user to view their profile as well as update it.

2. USER STORIES-:

- 2.1 As an EV driver, I want to register on Locate a Socket so that I can access its featured (For New Users)
- 2.2 As an EV driver, I want to log into my account to access the software and do booking.
- 2.3 As an EV driver, I want to locate the nearest available charging station so that I can charge it conveniently.
- 2.4 As an EV driver, I want to know the type of socket available to check the compatibility.
- 2.5 As an EV driver, I want to view the current status of the power socket like its available or occupied.
- 2.6 As an EV driver, I want to be able to navigate to the booked charging station using Maps.
- 2.7 As an EV driver, I want to see additional features like locating nearby rest rooms or restaurants to plan my stay.

3. USER REQUIREMENTS-:

- 3.1 REAL-TIME DATA-: The application should provide real-time data about which socket is available.
- 3.2 SOCKET INFORMATION-: Display information regarding the type of socket.
- 3.3 LOCATION-BASED SERVICES-: Using map locating near-by charging sockets.
- 3.4 NOTIFICATION SYSTEM-: Give a notification alert to the user when preferred charging socket or location is available.
- 3.5 SECURITY-: Implementing security to protect user data and transactions.
- 3.6 FEEDBACK-: Allow users to give feedback of the user experience to improve service quality.

4. DESIGN SPECIFICATION-:

- 4.1 USER REGISTRATION FLOW-: Design should include a form for user input like name, address, phone number, Gmail etc.

New Customer Registration Form

Customer Details:

Full Name *

First Name

Last Name

Address *

Street Address

Street Address Line 2

City

State / Province

Postal / Zip Code

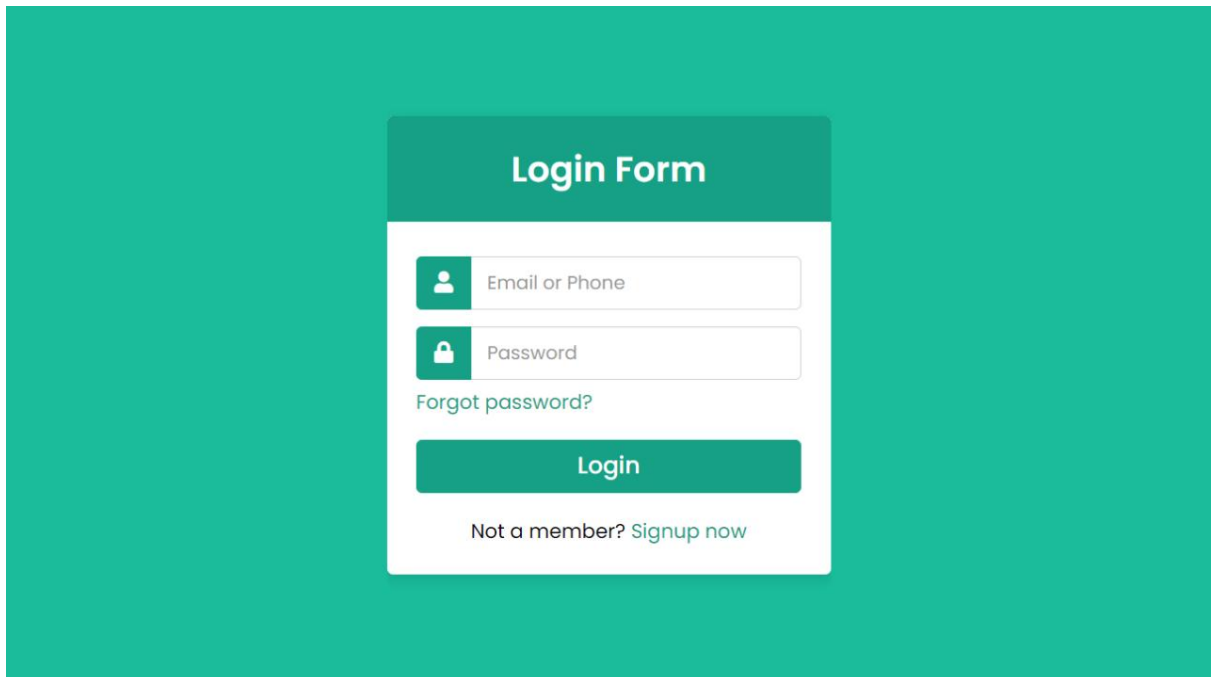
Phone Number *

{000} 000-0000

E-mail

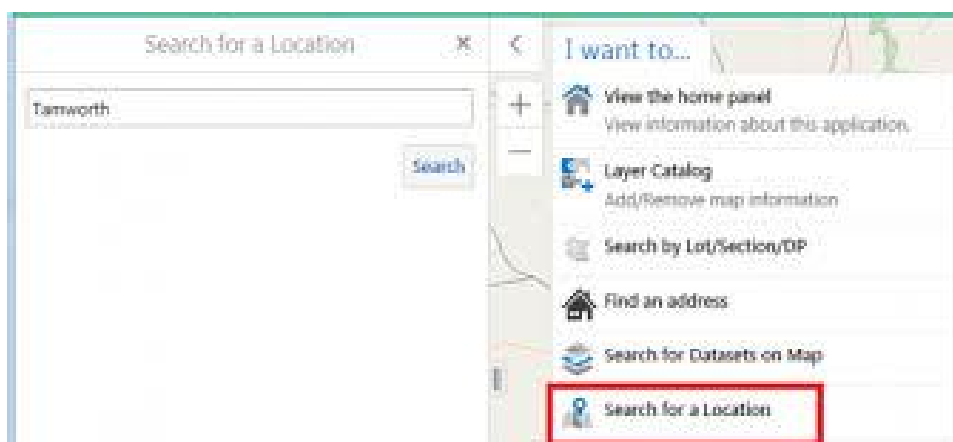
ex: email@yahoo.com

- 4.2 USER LOGIN:- It should have input fields for logging in like phone number/ Email and password.



The image shows a 'Login Form' centered on a teal background. The form is a white card with a teal header containing the title 'Login Form'. Below the header, there are two input fields: the first is labeled 'Email or Phone' with a person icon, and the second is labeled 'Password' with a lock icon. Below these fields is a link that says 'Forgot password?'. At the bottom of the form is a teal 'Login' button, and below that is a link that says 'Not a member? Signup now'.

- 4.3 SEARCH BAR:- Design should have a search bar where user can search the location for the charging socket. We can also see the nearby restaurants, guest-room etc.



- 4.4 EDIT PROFILE:- Design should have the option to edit the user profile where user can update their personal information.

Edit Profile



Update Avatar

First Name

Amber

Last Name

Fleming

Email

amber@iaoy.com

Username

amberfleming

Password

.....

Update

Reset

- 4.5 FEEDBACK-: Design should have the feedback form where users can give feedback about their user experience.

CUSTOMER FEEDBACK FORM

NSW Fair Trading, a division of the Department of Finance, Services and Innovation supports the NSW Government's priority of improving services for the NSW community.
Please use this form to give us your suggestions, compliments or complaints. They're important to us.

1. This feedback is a: ☐ **Suggestion** ☐ **Compliment** ☐ **Complaint**

2. About which service?

☐ enquiries/information

☐ complaint handling/dispute resolution

☐ home building licences

☐ business licences

☐ inspections/investigations

☐ tenancy/rental bonds

☐ strata/strata mediation

☐ co-operatives/associations

☐ loose-fill asbestos implementation taskforce

☐ other

3. About which issue?

☐ Fair Trading decision, policy or procedure

☐ administration of legislation

☐ information accuracy

☐ timeliness of service

☐ staff actions/customer service

☐ accessibility of service

☐ fees/charges

☐ website

☐ other

4. How did we provide the service?

☐ phone ☐ website ☐ letter ☐ seminar ☐ email ☐ other (please specify)

Phone number called (if appropriate)

Name of Fair Trading officer (if appropriate)

5. When did we provide the service?

Date of service Time

REFERENCE

All the images are taken from google images just to give an example. Software 'Locate a Socket' will have all this pages. These are just an example to demonstrate how our software will contain all these features.