

**EEI3269**  
**LAB TEST REPORT**

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## **Functional Requirement**

1. User should be able to log in to app using username and password.
2. User should be able to reset login password.
3. User should be able to choose volume of LP Gas and get information about that.
4. User should be able to Register Application using their personal information
5. User should be able to see Live Queue Map

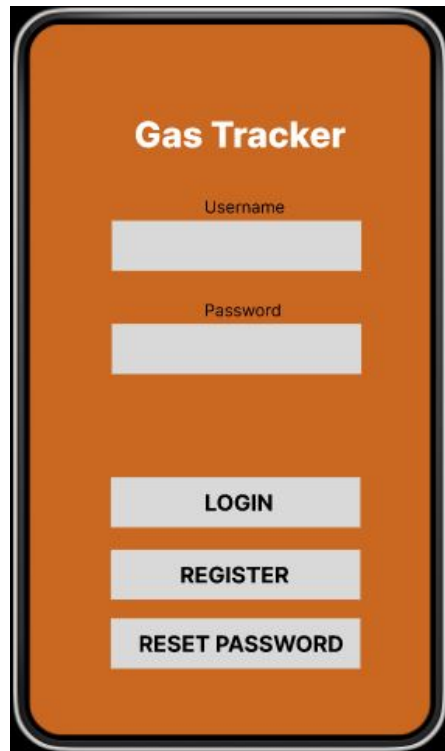
## **Non – Functional Requirements**

1. Availability – Available for Android & Apple OS (ios) devices
2. Security – only registered user can access this application
3. Performance – Can run on any low end device
4. Reliability – All information is updated frequently and direct get from online server
5. Scalability - can add more data if need

## **Difference Between Wireframe and Prototype**

- Wireframe is low fidelity and Prototypes are high fidelity
- To create wireframe takes much less cost , effort and time than prototypes.
- While the wireframe gives high-level details about the application, prototypes give an Interactive simulation of that application

## FIGMA Prototype



The image shows a mobile app prototype for a "Gas Tracker" login screen. The background is orange. At the top, the title "Gas Tracker" is displayed in white. Below the title, there are two input fields: "Username" and "Password", both with light gray borders. Under the "Password" field, there is a small "x" icon for clearing the text. Below the input fields, there are three buttons: "LOGIN", "REGISTER", and "RESET PASSWORD", all in white with black text. The entire screen is framed by a black border with rounded corners.

Figure 1 Log in page

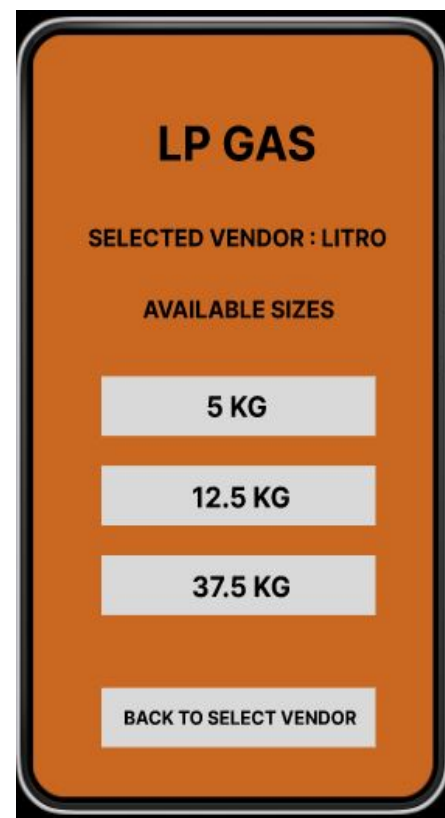


The image shows a mobile app prototype for a "Gas Tracker" dashboard screen. The background is orange. At the top, the title "Gas Tracker" is displayed in white. Below the title, there are four buttons: "LP GAS", "Live Queue Map", "Notifications", and "LOGOUT", all in white with black text. The entire screen is framed by a black border with rounded corners.

Figure 2 Dashboard



**Figure 3 Select Vendor**



**Figure 4 Select Sizes**



**Figure 5 More Details**

**Link to Project :** <https://www.figma.com/file/jvERcscuLkTA2rjKyHmyuf/Untitled?node-id=0%3A1>

## React – Native Project

```
BC@BC-LAPTOP MINGW64 ~  
$ cd desktop/RN  
  
BC@BC-LAPTOP MINGW64 ~/desktop/RN  
$ expo init
```

```
There is a new version of expo-cli available (5.4.6).  
You are currently using expo-cli 5.4.0  
Install expo-cli globally using the package manager of your choice;  
for example: `npm install -g expo-cli` to get the latest version
```

```
✓ What would you like to name your app? ... SLgasApp  
✓ Choose a template: » blank          a minimal app as clean as an empty canvas  
- Downloading template.
```

Figure 6 Initialize React Project

```
$ cd desktop/RN  
  
BC@BC-LAPTOP MINGW64 ~/desktop/RN  
$ expo init
```

```
There is a new version of expo-cli available (5.4.6).  
You are currently using expo-cli 5.4.0  
Install expo-cli globally using the package manager of your choice;  
for example: `npm install -g expo-cli` to get the latest version
```

```
✓ What would you like to name your app? ... SLgasApp  
✓ Choose a template: » blank          a minimal app as clean as an empty canvas  
✓ Downloaded template.  
📦 Using npm to install packages.  
✓ Installed JavaScript dependencies.  
  
✅ Your project is ready!  
  
To run your project, navigate to the directory and run one of the following npm commands.  
  
- cd SLgasApp  
- npm start # you can open iOS, Android, or web from here, or run them directly with the commands below.  
- npm run android  
- npm run ios # requires an iOS device or macOS for access to an iOS simulator  
- npm run web  
  
BC@BC-LAPTOP MINGW64 ~/desktop/RN  
$ |
```

Figure 7 Initialization Complete React Project

## Source Code – Draft

```
import { StatusBar } from 'expo-status-bar';
import { StyleSheet, Text, View, TextInput, Image, Button,
SectionList, } from 'react-native';
import { NavigationContainer, StackActions } from '@react-
navigation/native';
import { createNativeStackNavigator } from '@react-
navigation/native-stack';
import react, {useState} from 'react';

const Welcome = ({navigation}) => {

  const [username, setUsername] = useState();
  const [Password, setPassword] = useState();

  return(
<View style = { styles.container}>

  <View style ={styles.Homepage}>
  <Text style = {styles.TextContent}> UserName</Text>
  <TextInput style={styles.inputContent}
  onChangeText={newText => setUsername(newText)}
  defaultValue=""
  />

  <Text style = {styles.TextContent}> Password</Text>
  <TextInput style={styles.inputContent}
  onChangeText={newText => setPassword(newText)}
  defaultValue=""
  />


```

```
    <View style = {styles.button}>
      <Button title='Log in'
        color={ '#D9D9D9'} />
    </View>

    <View style = {styles.button}>
    <Button title='REGISTER'
      color={ '#D9D9D9'} />

    </View>

    <View style = {styles.button}>
      <Button title='RESET PASSWORD'
        color={ '#D9D9D9'} />

    </View>
  </View>
</View>
);
}

const Dashboard =() => {

  return (

    <View style = {styles.container}>

    </View>

  );
}
```



```
const Stack = createNativeStackNavigator();

const App=() => {

return (

<View style = { styles.container}>

<NavigationContainer>
  <Stack.Navigator>
    <Stack.Screen name = "Welcome Screen" component={Welcome}
options={{ title: "Gas Tracker", headerTitleAlign: 'center' }}/>
    <Stack.Screen name = "Dashboard" component={Dashboard}
options={{ headerTitleAlign: 'center' }} />
  </Stack.Navigator>
</NavigationContainer>
</View>

);}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: '#ca6821'
  },

  Homepage: {
    backgroundColor: 'Grey',
    display: 'flex',
    justifyContent: 'center',
    alignItems: 'center',
    marginTop: 200,
  },
```

```
    TextContent: {
      fontSize: 16,
    },

    TextHead: {
      fontSize: 20,
    },

    inputContent: {
      backgroundColor: '#D9D9D9',
      width: 200,
      height: 50,
    },

    button: {
      backgroundColor: '#D9D9D9',
      width: 200,
      display: 'flex',
      justifyContent: 'center',
      fontSize: 20,
      marginTop: 20,
    },
  });

export default App;
```

## Screenshot - Draft



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### Gas Tracker

UserName

Password

LOG IN

REGISTER

RESET PASSWORD

**END OF LAB TEST REPORT**