

Answer Key

1. Utilize AI prompts to generate the initial frontend folder structure and code for the homepage of the Book_A_Taxi website

- 1.1. Provide the following prompt in ChatGPT to generate folder structure and initial index and CSS script for the taxi booking website:

Generate the frontend folder structure and initial code for the homepage of a taxi booking website named Book_A_Taxi using React.

Generate the frontend folder structure and initial code for the homepage of a taxi booking website named Book_A_Taxi using React.

This generates the following folder structure:

```
book_a_taxi/
├─ node_modules/
├─ public/
│   ├─ index.html
│   ├─ favicon.ico
│   └─ manifest.json
├─ src/
│   ├─ components/
│   │   └─ HomePage.js    // New component added
│   ├─ App.css
│   ├─ App.js
│   ├─ App.test.js
│   ├─ index.css
│   ├─ index.js
│   ├─ logo.svg
│   └─ serviceWorker.js
├─ package.json
├─ package-lock.json
├─ .gitignore
└─ README.md
```

The generated Homepage code is as follows:
Copy the generated script and paste it into the

../book_a_taxi/src/components/HomePage.js file

```
import React from 'react';
import { Link } from 'react-router-dom';
import '../css/style.css';

const HomePage = () => {
  const handleSearch = (event) => {
    event.preventDefault();
    // Handle search logic here
  };

  return (
    <div>
      <header>
        <h1>Welcome to BookATaxi</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="hero">
          <h2>Find a Taxi Near You</h2>
          <form onSubmit={handleSearch}>
            <input type="text" name="location" placeholder="Enter your location">
            <button type="submit">Search</button>
          </form>
        </section>
      </main>
    </div>
  );
};
```

```

        <section className="services">
          <h2>Our Services</h2>
          <p>BookATaxi provides reliable taxi services 24/7. We have </p>
          <ul>
            <li>24/7 Availability</li>
            <li>Safe and Reliable</li>
            <li>Experienced Drivers</li>
          </ul>
        </section>
      </main>

      <footer>
        <p>&copy; {new Date().getFullYear()} BookATaxi. All rights res</p>
      </footer>
    </div>
  );
};

export default HomePage;

```

../book_a_taxi/src/components/HomePage.js

```

import React from 'react';
import { Link } from 'react-router-dom';
import '../App.css';

const HomePage = () => {
  const handleSearch = (event) => {
    event.preventDefault();
    // Handle search logic here
  };

  return (
    <div>
      <header>
        <h1>Welcome to BookATaxi</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
            <li><Link to="/booking">Book a Ride</Link></li>

```

```

        </ul>
      </nav>
    </header>

    <main>
      <section className="hero">
        <h2>Find a Taxi Near You</h2>
        <form onSubmit={handleSearch}>
          <input type="text" name="location" placeholder="Enter your location" />
          <button type="submit">Search</button>
        </form>
      </section>

      <section className="services">
        <h2>Our Services</h2>
        <p>BookATaxi provides reliable taxi services 24/7. We have experienced
drivers and ensure your safety and comfort.</p>
        <ul>
          <li>24/7 Availability</li>
          <li>Safe and Reliable</li>
          <li>Experienced Drivers</li>
        </ul>
      </section>
    </main>

    <footer>
      <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
    </footer>
  </div>
);
};

export default HomePage;

```

Copy the generated CSS script and paste it into the `../book_a_taxi/src/App.css` file.
The CSS script for the **book_a_taxi** application is:

```
/* Reset CSS */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: Arial, sans-serif;
  line-height: 1.6;
}

header {
  background-color: #333;
  color: #fff;
  padding: 20px;
}

nav ul {
  list-style-type: none;
```



```
}

nav ul li {
  display: inline;
  margin-right: 20px;
}

nav ul li a {
  color: #fff;
  text-decoration: none;
}

main {
  padding: 20px;
}

.hero {
  text-align: center;
  margin-bottom: 50px;
}

.hero input[type="text"] {
  padding: 10px;
  width: 300px;
```



```
        margin-right: 10px;
    }

    .hero button {
        padding: 10px 20px;
        background-color: #333;
        color: #fff;
        border: none;
        cursor: pointer;
    }

    .services {
        margin-bottom: 50px;
    }

    .services ul {
        list-style-type: none;
    }

    .services ul li {
        margin-bottom: 10px;
    }

    footer {
```



```
        background-color: #333;
        color: #fff;
        text-align: center;
        padding: 20px;
        position: fixed;
        bottom: 0;
        width: 100%;
    }
}
```

This CSS file provides basic styling for the header, navigation, main content sections, form elements, and footer of the "bookataxi" website. Feel free to customize it further according to your design preferences.

../book_a_taxi/src/App.css

```
/* Reset CSS */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: Arial, sans-serif;
  line-height: 1.6;
}

header {
  background-color: #333;
  color: #fff;
  padding: 20px;
}

nav ul {
  list-style-type: none;
}

nav ul li {
  display: inline;
  margin-right: 20px;
}

nav ul li a {
  color: #fff;
  text-decoration: none;
}

main {
  padding: 20px;
}

.hero {
  text-align: center;
  margin-bottom: 50px;
}

.hero input[type="text"] {
  padding: 10px;
  width: 300px;
}
```



```
    margin-right: 10px;
}
```

```
.hero button {
    padding: 10px 20px;
    background-color: #333;
    color: #fff;
    border: none;
    cursor: pointer;
}
```

```
.services {
    margin-bottom: 50px;
}
```

```
.services ul {
    list-style-type: none;
}
```

```
.services ul li {
    margin-bottom: 10px;
}
```

```
footer {
    background-color: #333;
    color: #fff;
    text-align: center;
    padding: 20px;
    position: fixed;
    bottom: 0;
    width: 100%;
}
```

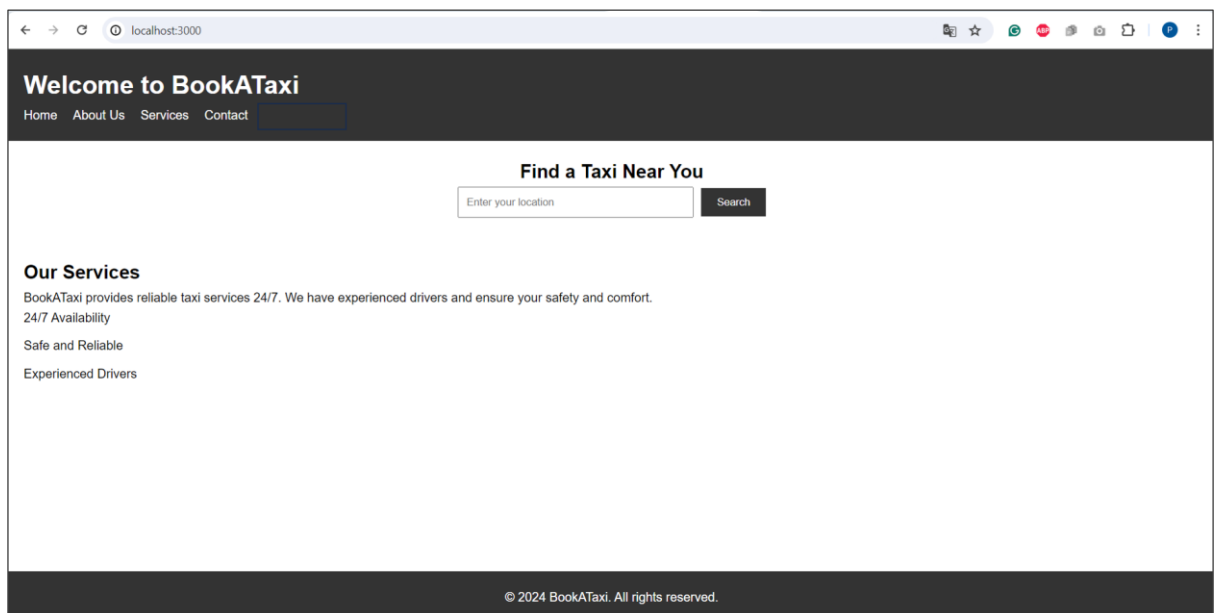
Execute the React application in the Visual Studio Code using the following command:

npm start

```
PS D:\BookTaxiPP\book_a_taxi> npm start

> book_a_taxi@0.1.0 start
> react-scripts start
```

The output for the basic homepage appears as follows:



2. Generate React scripts for additional pages (About Us, Services, and Contact) using AI prompts


2.1. Ask ChatGPT to generate additional pages by providing the following prompt:

Now let's create all other pages

You
Now let's create all other pages

The folder structure is as follows:

```
book_a_taxi/
├─ node_modules/
├─ public/
│   ├─ index.html
│   ├─ favicon.ico
│   └─ manifest.json
├─ src/
│   ├─ components/
│   │   ├─ AboutPage.js // New component added
│   │   ├─ ServicePage.js // New component added
│   │   ├─ ContactPage.js // New component added
│   │   └─ HomePage.js // Existing component
│   ├─ App.css
│   ├─ App.js
│   ├─ App.test.js
│   ├─ index.css
│   ├─ index.js
│   ├─ logo.svg
│   └─ serviceWorker.js
├─ package.json
├─ package-lock.json
├─ .gitignore
└─ README.md
```



The following additional pages are generated:

Copy the generated scripts and paste them into the respective file in
../book_a_taxi/src/components/

../book_a_taxi/src/components/AboutPage.js

```
jsx Copy code

// AboutPage.js
import React from 'react';
import { Link } from 'react-router-dom';

const AboutPage = () => {
  return (
    <div>
      <header>
        <h1>About Us</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><a href="#">About Us</a></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="about">
          <h2>Welcome to BookATaxi</h2>
          <p>BookATaxi is a leading taxi booking service that aims to provide convenient and reliable transportation solutions for our customers.</p>
          <p>Our team consists of experienced professionals dedicated to ensuring your journey is smooth and hassle-free.</p>
        </section>
      </main>
    </div>
  );
}
```

```
    <footer>
      <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
    </footer>
  </div>
);
}

export default AboutPage;
```

```
// AboutPage.js

import React from 'react';
import { Link } from 'react-router-dom';

const AboutPage = () => {
  return (
    <div>
      <header>
        <h1>About Us</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><a href="#">About Us</a></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="about">
          <h2>Welcome to BookATaxi</h2>
          <p>BookATaxi is a leading taxi booking service that aims to provide
convenient and reliable transportation solutions to our customers.</p>
          <p>Our team consists of experienced professionals dedicated to ensuring
your safety and comfort during your journey.</p>
        </section>
      </main>

      <footer>
        <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
      </footer>
    </div>
  );
}

export default AboutPage;
```

../book_a_taxi/src/components/ServicePage.js

jsx

Copy code

```
// ServicePage.js
import React from 'react';
import { Link } from 'react-router-dom';

const ServicePage = () => {
  return (
    <div>
      <header>
        <h1>Our Services</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><a href="#">Services</a></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="services">
          <h2>Our Services</h2>
          <p>BookATaxi offers a range of services to meet your transportation needs</p>
          <ul>
            <li>Point-to-Point Trans ↓</li>
            <li>Airport Transfers</li>
          </ul>
        </section>
      </main>
    </div>
  );
};
```

```

        <li>Point-to-Point Transfer</li>
        <li>Airport Transfers</li>
        <li>Hourly Rental</li>
        <li>City Tours</li>
        <li>And more...</li>
      </ul>
    </section>
  </main>

  <footer>
    <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
  </footer>
</div>
);
}

export default ServicePage;

```

// ServicePage.js

```

import React from 'react';
import { Link } from 'react-router-dom';

const ServicePage = () => {
  return (
    <div>
      <header>
        <h1>Our Services</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><a href="#">Services</a></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="services">
          <h2>Our Services</h2>
          <p>BookATaxi offers a range of services to meet your transportation
needs:</p>
          <ul>

```

```
        <li>Point-to-Point Transfer</li>
        <li>Airport Transfers</li>
        <li>Hourly Rental</li>
        <li>City Tours</li>
        <li>And more...</li>
    </ul>
</section>
</main>

<footer>
    <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
</footer>
</div>
);
}

export default ServicePage;
```


../book_a_taxi/src/components/ContactPage.js

jsx

Copy code

```
// ContactPage.js
import React from 'react';
import { Link } from 'react-router-dom';

const ContactPage = () => {
  return (
    <div>
      <header>
        <h1>Contact Us</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><a href="#">Contact</a></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="contact">
          <h2>Contact Information</h2>
          <p>If you have any inquiries or need assistance, feel free to contact us:</p>
          <ul>
            <li>Email: info@bookataxi ↓ om</li>
            <li>Phone: +1 123-456-7890</li>
            <li>Address: 123 Main Street, City, Country</li>
          </ul>
        </section>
      </main>

      <footer>
        <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
      </footer>
    </div>
  );
}

export default ContactPage;
```

```
// ContactPage.js

import React from 'react';
import { Link } from 'react-router-dom';

const ContactPage = () => {
  return (
    <div>
      <header>
        <h1>Contact Us</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><a href="#">Contact</a></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="contact">
          <h2>Contact Information</h2>
          <p>If you have any inquiries or need assistance, feel free to contact us:</p>
          <ul>
            <li>Email: info@bookataxi.com</li>
            <li>Phone: +1 123-456-7890</li>
            <li>Address: 123 Main Street, City, Country</li>
          </ul>
        </section>
      </main>

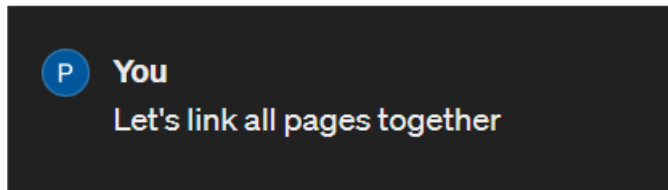
      <footer>
        <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
      </footer>
    </div>
  );
}

export default ContactPage;
```

3. Link all pages together by updating the navigation menus on each page with appropriate hyperlinks generated through AI prompts

3.1 Provide the following prompt to ChatGPT to link all generated pages:


Let's link all pages together



This prompt generates the following scripts by updating the previously generated script for linking each page. Copy the generated scripts and replace them in their respective files in the `../book_a_taxi/src/components/` folder:

`../book_a_taxi/src/components/HomePage.js`

jsx

 Copy code

```
// HomePage.js
import React from 'react';
import { Link } from 'react-router-dom';

const HomePage = () => {
  return (
    <div>
      <header>
        <h1>Welcome to BookATaxi</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="hero">
          <h2>Find a Taxi Near You</h2>
          <form action="search.php" method="POST">
            <input type="text" name="location" placeholder="Enter your location" />
            <button type="submit">Search</button>
          </form>
        </section>
      </main>
    </div>
  );
};
```

```

    </section>

    <section className="services">
      <h2>Our Services</h2>
      <p>BookATaxi provides reliable taxi services 24/7. We have experienced drivers</p>
      <ul>
        <li>24/7 Availability</li>
        <li>Safe and Reliable</li>
        <li>Experienced Drivers</li>
      </ul>
    </section>
  </main>

  <footer>
    <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
  </footer>
</div>
);
}

export default HomePage;

```

// HomePage.js

```

import React from 'react';
import { Link } from 'react-router-dom';

const HomePage = () => {
  return (
    <div>
      <header>
        <h1>Welcome to BookATaxi</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="hero">
          <h2>Find a Taxi Near You</h2>

```

```

    <form action="search.php" method="POST">
      <input type="text" name="location" placeholder="Enter your location" />
      <button type="submit">Search</button>
    </form>
  </section>

  <section className="services">
    <h2>Our Services</h2>
    <p>BookATaxi provides reliable taxi services 24/7. We have experienced
drivers and ensure your safety and comfort.</p>
    <ul>
      <li>24/7 Availability</li>
      <li>Safe and Reliable</li>
      <li>Experienced Drivers</li>
    </ul>
  </section>
</main>

<footer>
  <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
</footer>
</div>
);
}

export default HomePage;

```

../book_a_taxi/src/components/AboutPage.js

jsx

Copy code

```
// AboutPage.js
import React from 'react';
import { Link } from 'react-router-dom';

const AboutPage = () => {
  return (
    <div>
      <header>
        <h1>About Us</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="about">
          <h2>Welcome to BookATaxi</h2>
          <p>BookATaxi is a leading taxi booking service that aims to provide convenience to its customers.</p>
          <p>Our team consists of experienced professionals dedicated to ensuring your journey is smooth and hassle-free.</p>
        </section>
      </main>
```

```
      <footer>
        <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
      </footer>
    </div>
  );
}

export default AboutPage;
```

```
// AboutPage.js
```

```
import React from 'react';  
import { Link } from 'react-router-dom';
```

```
const AboutPage = () => {  
  return (  
    <div>  
      <header>  
        <h1>About Us</h1>  
        <nav>  
          <ul>  
            <li><Link to="/">Home</Link></li>  
            <li><Link to="/about">About Us</Link></li>  
            <li><Link to="/services">Services</Link></li>  
            <li><Link to="/contact">Contact</Link></li>  
          </ul>  
        </nav>  
      </header>  
  
      <main>  
        <section className="about">  
          <h2>Welcome to BookATaxi</h2>  
          <p>BookATaxi is a leading taxi booking service that aims to provide  
convenient and reliable transportation solutions to our customers.</p>  
          <p>Our team consists of experienced professionals dedicated to ensuring  
your safety and comfort during your journey.</p>  
        </section>  
      </main>  
  
      <footer>  
        <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>  
      </footer>  
    </div>  
  );  
}
```

```
export default AboutPage;
```


../book_a_taxi/src/components/ServicePage.js

jsx

Copy code

```
// ServicePage.js
import React from 'react';
import { Link } from 'react-router-dom';

const ServicePage = () => {
  return (
    <div>
      <header>
        <h1>Our Services</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="services">
          <h2>Our Services</h2>
          <p>BookATaxi offers a range of services to meet your transportation needs</p>
          <ul>
            <li>Point-to-Point Trans ↓</li>
            <li>Airport Transfers</li>
          </ul>
        </section>
      </main>
    </div>
  );
};
```

```

        <li>Hourly Rental</li>
        <li>City Tours</li>
        <li>And more...</li>
      </ul>
    </section>
  </main>

  <footer>
    <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
  </footer>
</div>
);
}

export default ServicePage;

```

// ServicePage.js

```

import React from 'react';
import { Link } from 'react-router-dom';

const ServicePage = () => {
  return (
    <div>
      <header>
        <h1>Our Services</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="services">
          <h2>Our Services</h2>
          <p>BookATaxi offers a range of services to meet your transportation
needs:</p>
          <ul>
            <li>Point-to-Point Transfer</li>
            <li>Airport Transfers</li>

```

```

        <li>Hourly Rental</li>
        <li>City Tours</li>
        <li>And more...</li>
      </ul>
    </section>
  </main>

  <footer>
    <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
  </footer>
</div>
);
}

```

export default ServicePage;

../book_a_taxi/src/components/ContactPage.js

```

jsx Copy code

// ContactPage.js
import React from 'react';
import { Link } from 'react-router-dom';

const ContactPage = () => {
  return (
    <div>
      <header>
        <h1>Contact Us</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="contact">
          <h2>Contact Information</h2>
          <p>If you have any inquiries or need assistance, feel free to contact us:</p>
          <ul>
            <li>Email: info@bookatax ↓ om</li>
            <li>Phone: +1 123-456-7890</li>
          </ul>
        </section>
      </main>
    </div>
  );
}

```

```

        <li>Address: 123 Main Street, City, Country</li>
      </ul>
    </section>
  </main>

  <footer>
    <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
  </footer>
</div>
);
}

export default ContactPage;

```

// ContactPage.js

```

import React from 'react';
import { Link } from 'react-router-dom';

const ContactPage = () => {
  return (
    <div>
      <header>
        <h1>Contact Us</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="contact">
          <h2>Contact Information</h2>
          <p>If you have any inquiries or need assistance, feel free to contact us:</p>
          <ul>
            <li>Email: info@bookataxi.com</li>
            <li>Phone: +1 123-456-7890</li>
            <li>Address: 123 Main Street, City, Country</li>
          </ul>
        </section>
      </main>
    </div>
  );
};
export default ContactPage;

```

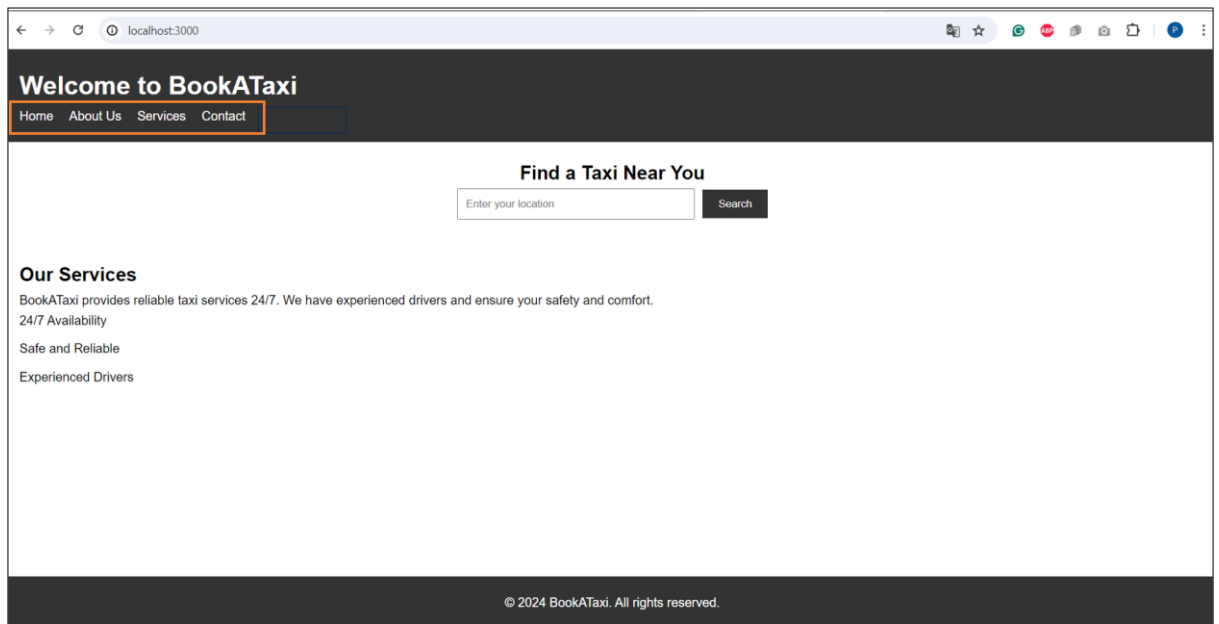
```

    <footer>
      <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
    </footer>
  </div>
);
}

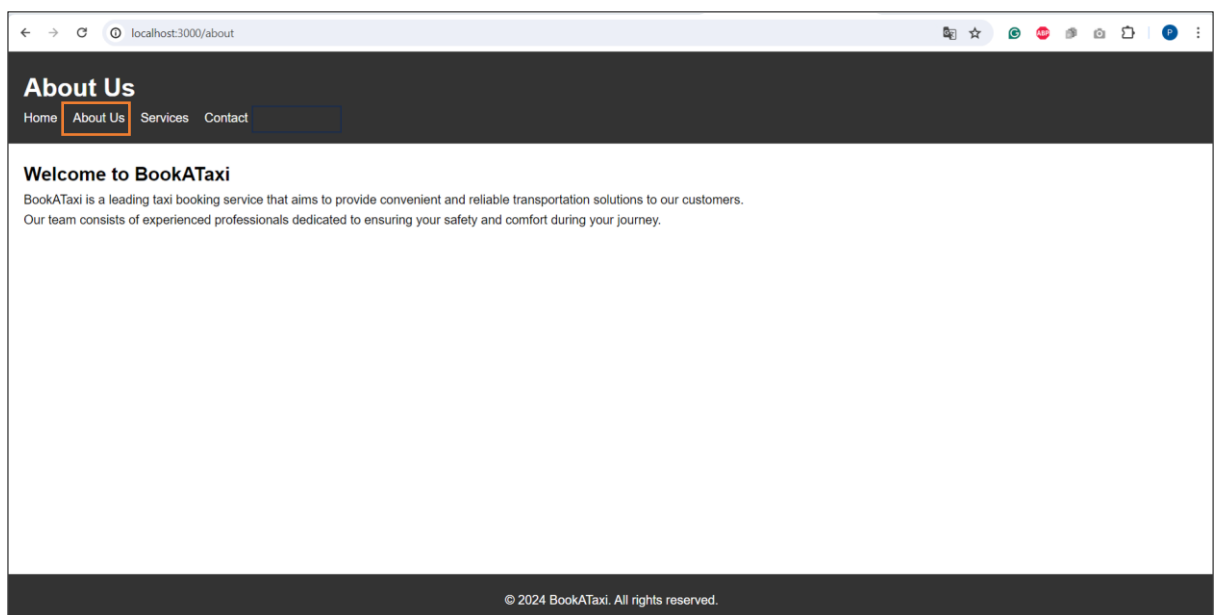
```

```
export default ContactPage;
```

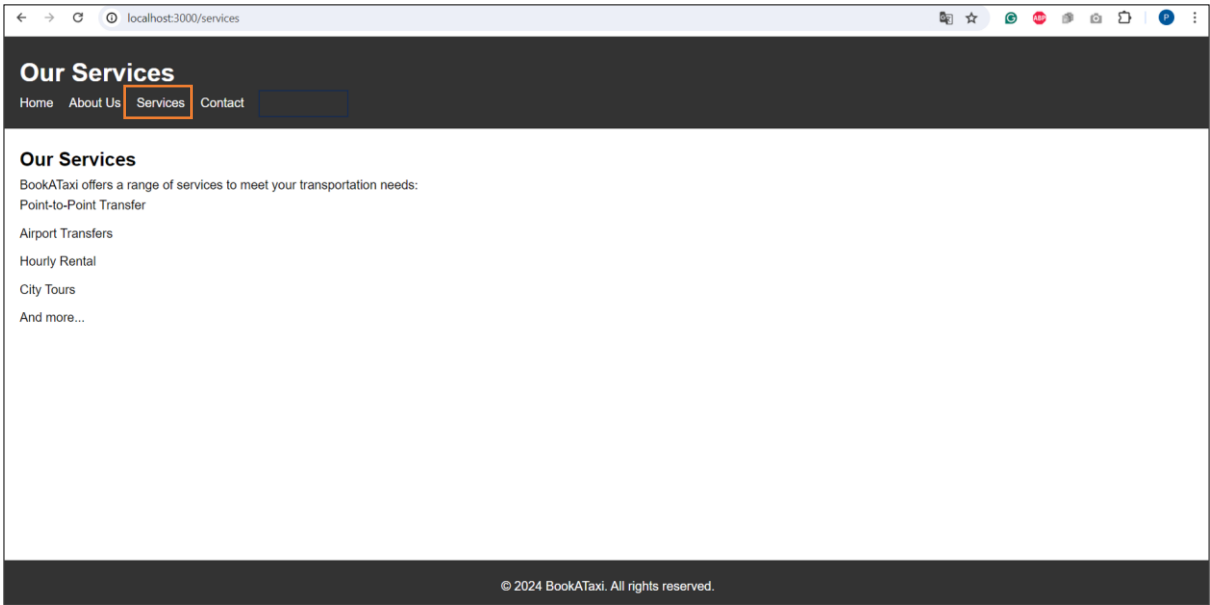
Once you refresh the page, the links for different pages will appear.



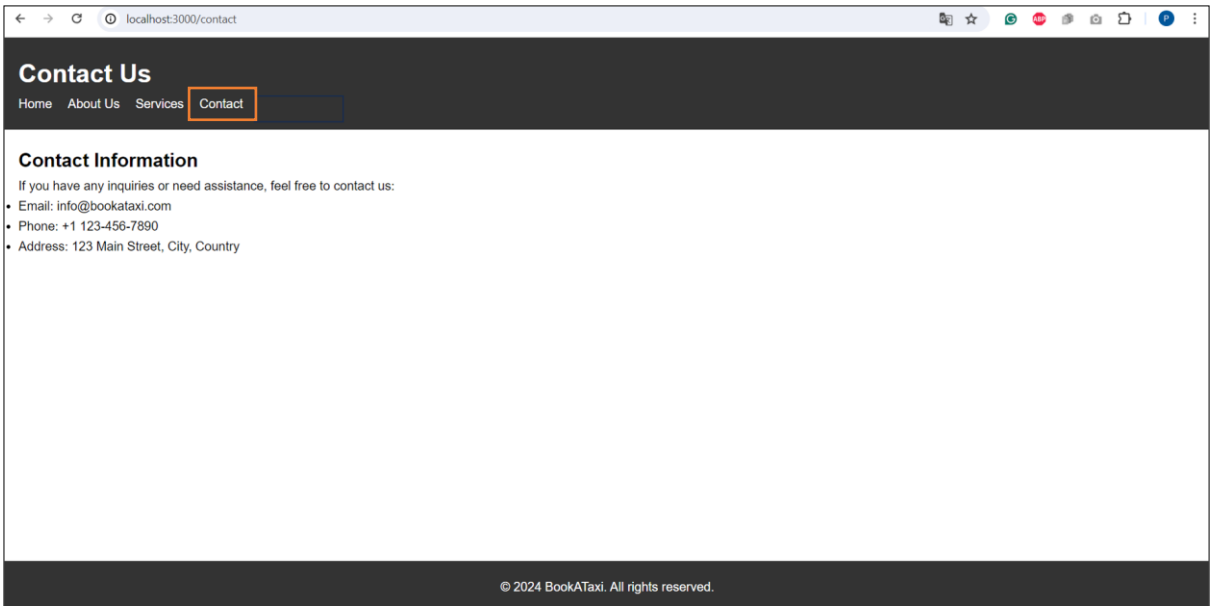
After clicking on **About Us**, it appears as follows:



The **Services** page looks as follows:



The **Contact** page appears as follows:



4. Create a new page for booking a ride using AI prompts and ensure it is linked with all existing pages to maintain the website navigation flow

4.1 Input the following prompt in ChatGPT to generate a booking page:

Let's add a page for booking a ride with more elaborated options for all kinds of services and a link with all pages

P You
Let's add a page for booking a ride with more elaborated options for all kinds of services and a link with all pages

Folder structure:

```
book_a_taxi/
├─ node_modules/
├─ public/
│   ├─ index.html
│   ├─ favicon.ico
│   └─ manifest.json
├─ src/
│   ├─ components/
│   │   ├─ AboutPage.js    // New component added
│   │   ├─ ServicePage.js  // New component added
│   │   ├─ ContactPage.js  // New component added
│   │   ├─ BookingPage.js  // New component added
│   │   └─ HomePage.js     // Existing component
│   ├─ App.css
│   ├─ App.js
│   ├─ App.test.js
│   ├─ index.css
│   ├─ index.js
│   ├─ logo.svg
│   └─ serviceWorker.js
├─ package.json
├─ package-lock.json
├─ .gitignore
└─ README.md
```

This generates the following JS file. Copy the generated script and paste it into the `../book_a_taxi/src/components/BookingPage.js` file:

```
jsx Copy code

// BookingPage.js
import React from 'react';
import { Link } from 'react-router-dom';

const BookingPage = () => {
  return (
    <div>
      <header>
        <h1>Book a Ride</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
            <li><Link to="/booking">Book a Ride</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="booking-form">
          <h2>Book a Ride with BookATaxi</h2>
          <form action="confirmation.php" method="POST">
            <label htmlFor="service-type">Select Service Type:</label>
            <select name="service-type" id="service-type">
```



```

        <option value="point-to-point">Point-to-Point Transfer</option>
        <option value="airport-transfer">Airport Transfer</option>
        <option value="hourly-rental">Hourly Rental</option>
        <option value="city-tour">City Tour</option>
        { /* Add more options as needed */ }
    </select>
    <label htmlFor="pickup-location">Pickup Location:</label>
    <input type="text" name="pickup-location" id="pickup-location" required />
    <label htmlFor="dropoff-location">Dropoff Location:</label>
    <input type="text" name="dropoff-location" id="dropoff-location" required />
    <label htmlFor="pickup-date">Pickup Date:</label>
    <input type="date" name="pickup-date" id="pickup-date" required />
    <label htmlFor="pickup-time">Pickup Time:</label>
    <input type="time" name="pickup-time" id="pickup-time" required />
    { /* Add more options for different services */ }
    <button type="submit">Book Now</button>
  </form>
</section>
</main>

<footer>
  <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
</footer>
</div>
);
}

export default BookingPage;

```

// BookingPage.js

```

import React from 'react';
import { Link } from 'react-router-dom';

const BookingPage = () => {
  return (
    <div>
      <header>
        <h1>Book a Ride</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>

```

```

        <li><Link to="/booking">Book a Ride</Link></li>
    </ul>
</nav>
</header>

<main>
    <section className="booking-form">
        <h2>Book a Ride with BookATaxi</h2>
        <form action="confirmation.php" method="POST">
            <label htmlFor="service-type">Select Service Type:</label>
            <select name="service-type" id="service-type">
                <option value="point-to-point">Point-to-Point Transfer</option>
                <option value="airport-transfer">Airport Transfer</option>
                <option value="hourly-rental">Hourly Rental</option>
                <option value="city-tour">City Tour</option>
                { /* Add more options as needed */ }
            </select>
            <label htmlFor="pickup-location">Pickup Location:</label>
            <input type="text" name="pickup-location" id="pickup-location" required />
            <label htmlFor="dropoff-location">Dropoff Location:</label>
            <input type="text" name="dropoff-location" id="dropoff-location" required
/>

            <label htmlFor="pickup-date">Pickup Date:</label>
            <input type="date" name="pickup-date" id="pickup-date" required />
            <label htmlFor="pickup-time">Pickup Time:</label>
            <input type="time" name="pickup-time" id="pickup-time" required />
            { /* Add more options for different services */ }
            <button type="submit">Book Now</button>
        </form>
    </section>
</main>

<footer>
    <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
</footer>
</div>

);
}

```

```

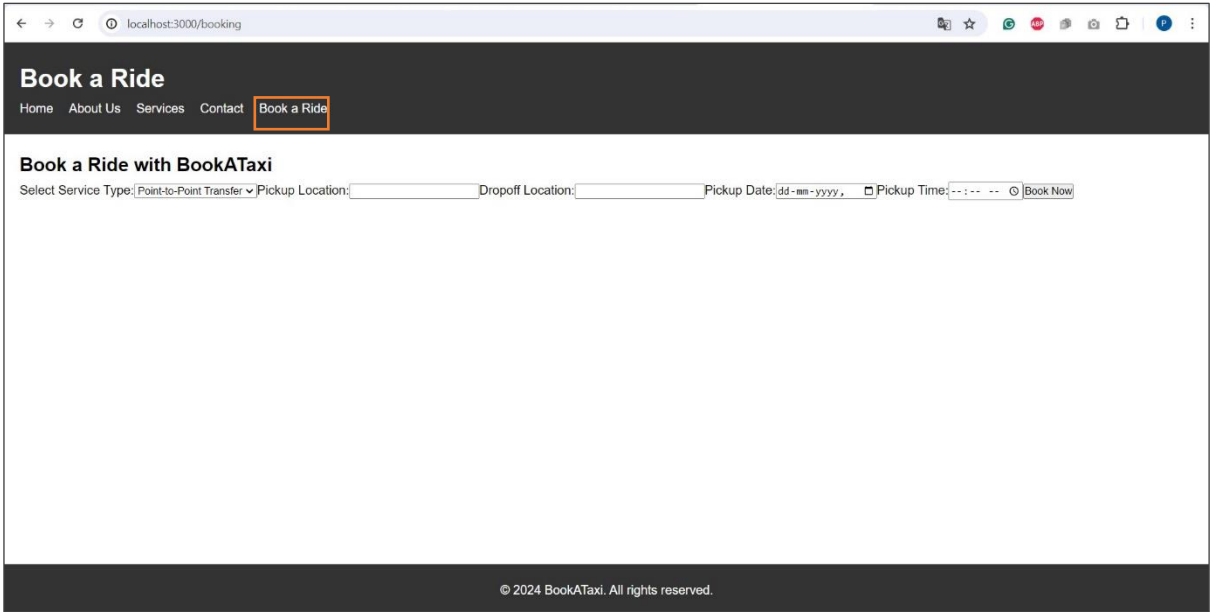
export default BookingPage;

```

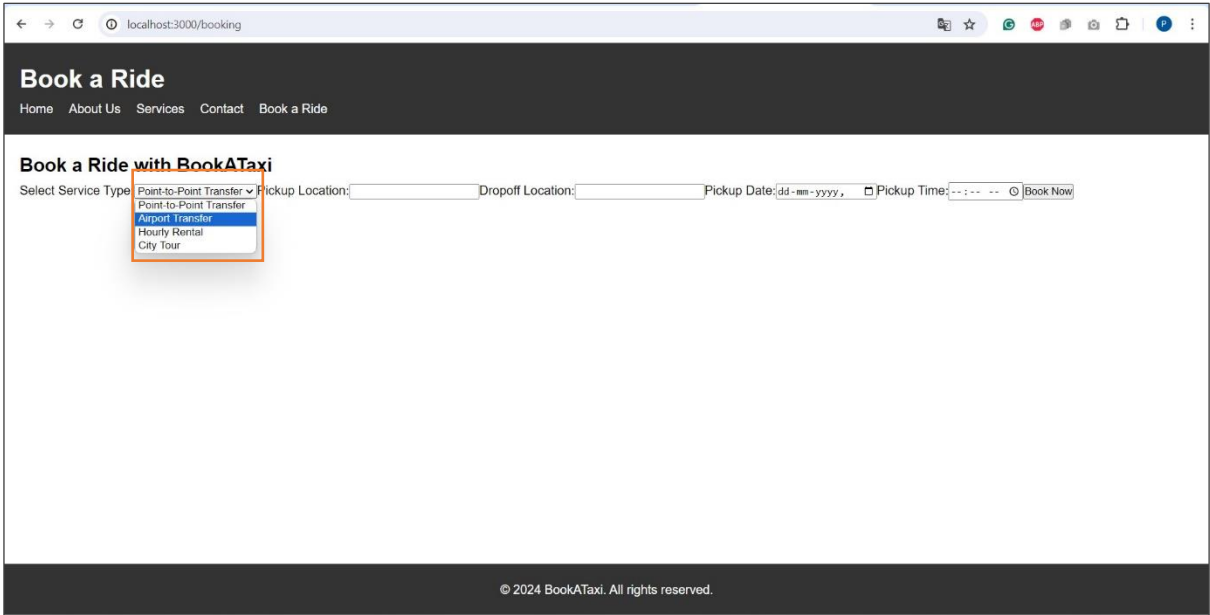
Link the booking page in the other pages by providing the following line of script in every JS file:

```
<li><Link to="/booking">Book a Ride</Link></li>
```

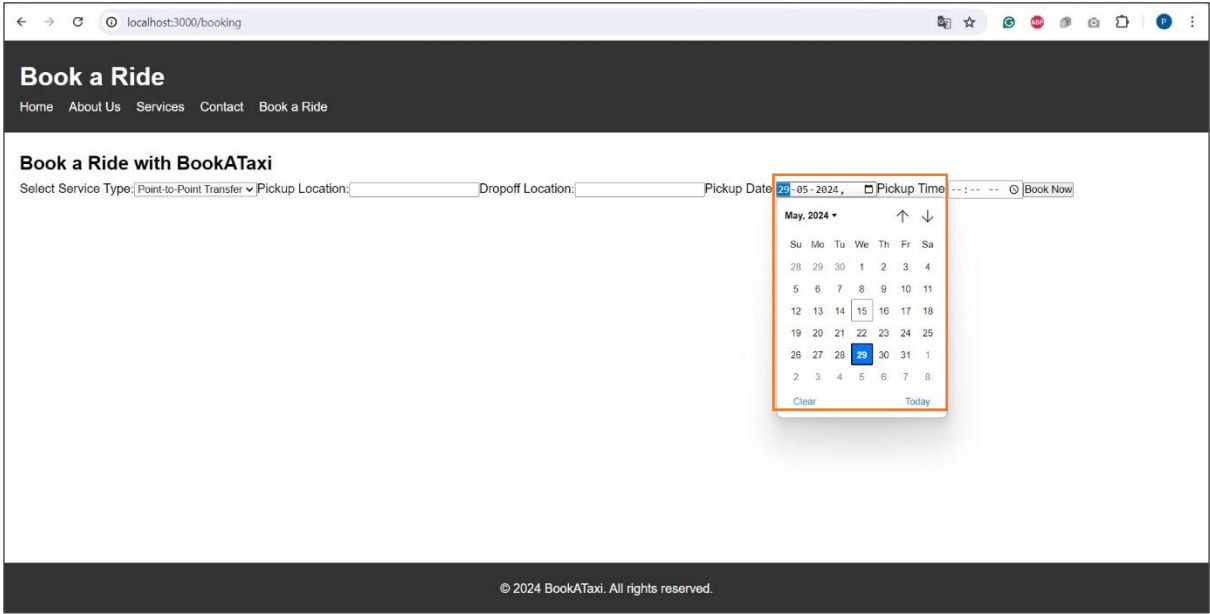
Refresh the page and click on Book_A_Ride on the Homepage. This appears as follows:



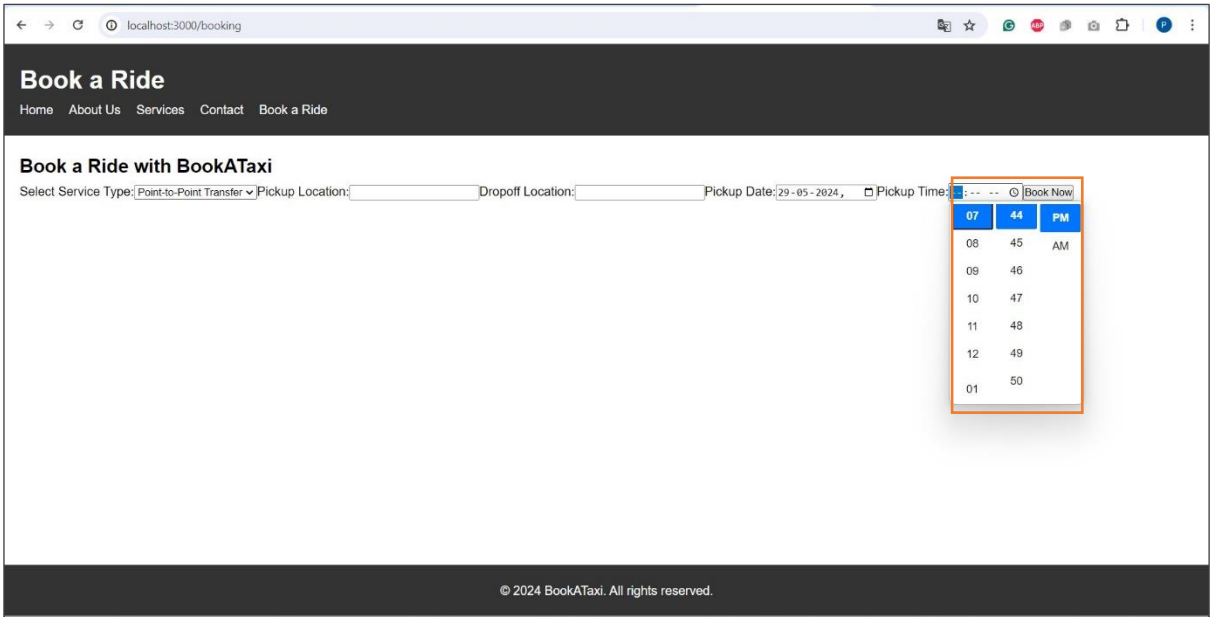
Select the dropdown menu in the **Selected Service Type**, which consists of different services as follows:



Click on **Pickup Date** that opens the calendar



Click on **Pickup Time** to choose the time



5. Generate basic form validation functionality through AI prompts and integrate it into the booking form to enhance user experience

5.1 Generate the validation form by providing the following prompt:

Update the BookingPage.js file by adding basic form validations

Update the BookingPage.js file by adding basic form validations

This generates the following react script. Replace this script with `../book_a_taxi/src/components/BookingPage.js`

```
jsx Copy code

import React, { useState } from 'react';
import { Link, useNavigate } from 'react-router-dom';
import '../App.css';

const BookingPage = () => {
  const [serviceType, setServiceType] = useState('point-to-point');
  const [pickupLocation, setPickupLocation] = useState('');
  const [dropoffLocation, setDropoffLocation] = useState('');
  const [pickupDate, setPickupDate] = useState('');
  const [pickupTime, setPickupTime] = useState('');
  const [showModal, setShowModal] = useState(false);

  const navigate = useNavigate();

  const handleSubmit = (event) => {
    event.preventDefault();

    const bookingInfo = {
      serviceType,
      pickupLocation,
      dropoffLocation,
      pickupDate,
      pickupTime
    };

    console.log('Booking Info:', bookingInfo);
  };
}
```

```

    // Show the confirmation modal
    setShowModal(true);
  };

  return (
    <div>
      <header>
        <h1>Book a Ride</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
            <li><Link to="/booking">Book a Ride</Link></li>
          </ul>
        </nav>
      </header>

      <main>
        <section className="booking-form">
          <h2>Book a Ride with BookATaxi</h2>
          <form onSubmit={handleSubmit}>
            <label htmlFor="service-type">Select Service Type:</label>
            <select
              name="service-type"
              id="service-type"
              value={serviceType}
            >

```

```
      onChange={(e) => setServiceType(e.target.value)}
    >
    <option value="point-to-point">Point-to-Point Transfer</option>
    <option value="airport-transfer">Airport Transfer</option>
    <option value="hourly-rental">Hourly Rental</option>
    <option value="city-tour">City Tour</option>
  </select>
  <label htmlFor="pickup-location">Pickup Location:</label>
  <input
    type="text"
    name="pickup-location"
    id="pickup-location"
    value={pickupLocation}
    onChange={(e) => setPickupLocation(e.target.value)}
    required
  />
  <label htmlFor="dropoff-location">Dropoff Location:</label>
  <input
    type="text"
    name="dropoff-location"
    id="dropoff-location"
    value={dropoffLocation}
    onChange={(e) => setDropoffLocation(e.target.value)}
    required
  />
  <label htmlFor="pickup-date">Pickup Date:</label>
  <input
    type="date"
    ↓
```

```

        name="pickup-date"
        id="pickup-date"
        value={pickupDate}
        onChange={(e) => setPickupDate(e.target.value)}
        required
      />
      <label htmlFor="pickup-time">Pickup Time:</label>
      <input
        type="time"
        name="pickup-time"
        id="pickup-time"
        value={pickupTime}
        onChange={(e) => setPickupTime(e.target.value)}
        required
      />
      <button type="submit">Book Now</button>
    </form>
  </section>
</main>

<footer>
  <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
</footer>

{showModal && (
  <div className="modal">
    <h2>Your booking has been ↓ firmed!</h2>
    <p>Thank you for choosing our service. Your ride details are as follows:</p>

```

```

    <p>Thank you for choosing our service. Your ride details are as follows:</p>
    <ul>
      <li><strong>Service Type:</strong> {serviceType}</li>
      <li><strong>Pickup Location:</strong> {pickupLocation}</li>
      <li><strong>Dropoff Location:</strong> {dropoffLocation}</li>
      <li><strong>Pickup Date:</strong> {pickupDate}</li>
      <li><strong>Pickup Time:</strong> {pickupTime}</li>
    </ul>
  </div>
)}
</div>
);
};

export default BookingPage;

```



```

import React, { useState } from 'react';
import { Link, useNavigate } from 'react-router-dom';
import '../App.css';

const BookingPage = () => {
  const [serviceType, setServiceType] = useState('point-to-point');
  const [pickupLocation, setPickupLocation] = useState("");
  const [dropoffLocation, setDropoffLocation] = useState("");
  const [pickupDate, setPickupDate] = useState("");
  const [pickupTime, setPickupTime] = useState("");
  const [showModal, setShowModal] = useState(false);

  const navigate = useNavigate();

  const handleSubmit = (event) => {
    event.preventDefault();

    const bookingInfo = {
      serviceType,
      pickupLocation,
      dropoffLocation,
      pickupDate,
      pickupTime
    };

    console.log('Booking Info:', bookingInfo);

    // Show the confirmation modal
    setShowModal(true);
  };

  return (
    <div>
      <header>
        <h1>Book a Ride</h1>
        <nav>
          <ul>
            <li><Link to="/">Home</Link></li>
            <li><Link to="/about">About Us</Link></li>
            <li><Link to="/services">Services</Link></li>
            <li><Link to="/contact">Contact</Link></li>
            <li><Link to="/booking">Book a Ride</Link></li>
          </ul>
        </nav>
      </header>
    </div>
  );
};

```

```
<main>
  <section className="booking-form">
    <h2>Book a Ride with BookATaxi</h2>
    <form onSubmit={handleSubmit}>
      <label htmlFor="service-type">Select Service Type:</label>
      <select
        name="service-type"
        id="service-type"
        value={serviceType}
        onChange={(e) => setServiceType(e.target.value)}
      >
        <option value="point-to-point">Point-to-Point Transfer</option>
        <option value="airport-transfer">Airport Transfer</option>
        <option value="hourly-rental">Hourly Rental</option>
        <option value="city-tour">City Tour</option>
      </select>
      <label htmlFor="pickup-location">Pickup Location:</label>
      <input
        type="text"
        name="pickup-location"
        id="pickup-location"
        value={pickupLocation}
        onChange={(e) => setPickupLocation(e.target.value)}
        required
      />
      <label htmlFor="dropoff-location">Dropoff Location:</label>
      <input
        type="text"
        name="dropoff-location"
        id="dropoff-location"
        value={dropoffLocation}
        onChange={(e) => setDropoffLocation(e.target.value)}
        required
      />
      <label htmlFor="pickup-date">Pickup Date:</label>
      <input
        type="date"
        name="pickup-date"
        id="pickup-date"
        value={pickupDate}
        onChange={(e) => setPickupDate(e.target.value)}
        required
      />
      <label htmlFor="pickup-time">Pickup Time:</label>
      <input
        type="time"
```

```

        name="pickup-time"
        id="pickup-time"
        value={pickupTime}
        onChange={(e) => setPickupTime(e.target.value)}
        required
      />
      <button type="submit">Book Now</button>
    </form>
  </section>
</main>

```

```

<footer>
  <p>&copy; {new Date().getFullYear()} BookATaxi. All rights reserved.</p>
</footer>

```

```









{showModal && (
  <div className="modal">
    <h2>Your booking has been confirmed!</h2>
    <p>Thank you for choosing our service. Your ride details are as follows:</p>
    <ul>
      <li><strong>Service Type:</strong> {serviceType}</li>
      <li><strong>Pickup Location:</strong> {pickupLocation}</li>
      <li><strong>Dropoff Location:</strong> {dropoffLocation}</li>
      <li><strong>Pickup Date:</strong> {pickupDate}</li>
      <li><strong>Pickup Time:</strong> {pickupTime}</li>
    </ul>
  </div>
)}
</div>
);
};

export default BookingPage;

```

Refresh the page, click on **Book a Ride** on the Homepage, fill out the form, and click on **Book Now**

← → ↻ 🌐 localhost:3000/booking

Book a Ride

[Home](#) [About Us](#) [Services](#) [Contact](#) [Book a Ride](#)

Book a Ride with BookATaxi

Select Service Type: Airport Transfer

Pickup Location: Bengaluru

Dropoff Location: Delhi

Pickup Date: 27-05-2024

Pickup Time: 10:20 PM

[Book Now](#)

The booking confirmation page appears as follows:

The screenshot shows a web browser at localhost:3000/booking. The page has a dark header with the title "Book a Ride" and navigation links: Home, About Us, Services, Contact, and Book a Ride. The main content area is white and features a section titled "Book a Ride with BookATaxi". Below this title is a form with four input fields: "Select Service Type" (a dropdown menu showing "Airport Transfer"), "Pickup Location" (text input with "Bengaluru"), "Dropoff Location" (text input with "Delhi"), and "Pickup Date" (calendar icon with "27-05-2024"). To the right of these fields is a "Pickup Time" field (clock icon with "10:20 PM") and a "Book Now" button. Below the form, the text "Your booking has been confirmed!" is displayed in bold. Underneath, a message says "Thank you for choosing our service. Your ride details are as follows:". The details listed are: "Service Type: airport-transfer", "Pickup Location: Bengaluru", "Dropoff Location: Delhi", "Pickup Date: 2024-05-27", and "Pickup Time: 22:20". The footer is dark and contains the text "© 2024 BookATaxi. All rights reserved."