



SPARK HAUS

Assignment Report

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Project Overview

The project involves designing and developing a homepage that includes essential features such as a navbar, landing image, services section, blog section, and footer. The homepage integrates with a provided API from Spark Haus to display dynamic blog posts.

Technologies

- ✚ **Frontend Framework:** React
- ✚ **Styling:** Bootstrap and Regular CSS
- ✚ **API Integration:** Fetch API
- ✚ **Version Control:** GitHub

Key Features of the Homepage

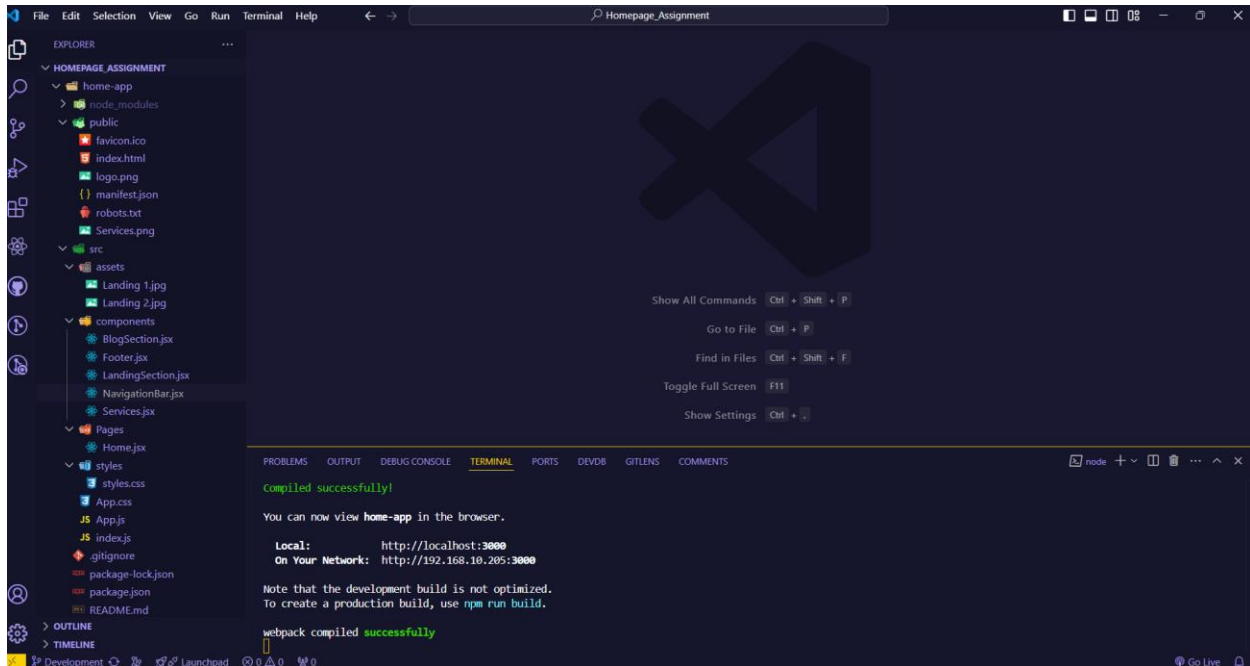
- ✚ **Navbar:**
 - Company branding and navigation links for easy access to different sections.
- ✚ **Landing Section with an Image:**
 - A prominent image that serves as a focal point for the homepage.
- ✚ **Services Section:**
 - Outlines the three primary services offered by the company.
 - Each service includes a description and a logo.
- ✚ **Blogs Section:**
 - Integrates with the blog API to dynamically fetch and display the latest blog posts.
 - Ensures smooth and optimized API integration for performance.

Footer:

- Contains important company details and additional navigation links.

Implementation Details

Folder Structure



Code Snippet

1. Navbar

```

NavigationBar.jsx M X
home-app > src > components > NavigationBar.jsx > ...
You, 1 second ago | 1 author (You)
1 import React from 'react';
2 import { Navbar, Nav } from 'react-bootstrap';
3 import '../styles/styles.css';
4
5 const NavigationBar = () => {
6   return (
7     //scrollable NavBar
8     <Navbar bg="light" expand="lg">
9       <img src='logo.png' alt="Logo" className="navbar-logo" />
10      <Navbar.Toggle aria-controls="basic-navbar-nav" />
11      <Navbar.Collapse id="basic-navbar-nav">
12        <Nav className="ml-auto">
13          <Nav.Link href="/">Home</Nav.Link>
14          <Nav.Link href="#services">Services</Nav.Link>
15          <Nav.Link href="#blogs">Blogs</Nav.Link>
16        </Nav>
17      </Navbar.Collapse>
18    </Navbar>
19  );
20 };
21
22 export default NavigationBar;

```

2. Landing Section

```

LandingSection.jsx M X
home-app > src > components > LandingSection.jsx > ...
You, 1 second ago | 1 author (You)
1 import React from 'react';
2
3 const LandingSection = () => {
4   return (
5
6     <div className="landing-section">
7       <div className="landing-content">
8         <h1>Welcome to INK</h1>
9         <p>Your trusted partner in Fashion Service.</p>
10        <img src='logo.png' alt="Logo" className="landing-logo" />
11      </div>
12    </div>
13
14  );
15 };
16
17
18 export default LandingSection;
19

```

3. Services Section

```

Services.jsx
home-app > src > components > Services.jsx > [0] Services
1 import React from 'react';
2 import '../styles/styles.css';
3
4 const Services = () => {
5   return (
6     <section id="services" className="py-5 services-section">
7       <div className="container">
8         <h2 className="text-center text-white">Our Services</h2>
9         <div className="row">
10          <div className="col-md-4">
11            <div className="service-card">
12              <h4>Personal Styling</h4>
13              <p>Receive tailored fashion advice and outfit recommendations from our expert stylists to elevate your wardrobe.</p>
14              
15            </div>
16          </div>
17          <div className="col-md-4">
18            <div className="service-card">
19              <h4>Custom Tailoring</h4>
20              <p>Get your clothing perfectly fitted with our custom tailoring services to ensure you look and feel your best.</p>
21              
22            </div>
23          </div>
24          <div className="col-md-4">
25            <div className="service-card">
26              <h4>Fashion Consultations</h4>
27              <p>Join our exclusive fashion consultations to stay updated on the latest trends and styles that suit you.</p>
28              
29            </div>
30          </div>
31        </div>
32      </div>
33    </section>
34  );
35 }
36
37

```

4. Blog Section

```

BlogSection.jsx
home-app > src > components > BlogSection.jsx > [0] BlogSection > [0] useEffect() callback > [0] fetchBlogs
3 const BlogSection = () => {
4   useEffect(() => {
5     const fetchBlogs = async () => {
6       console.error('No blogs found in the response:', data);
7       setError('No blog posts available at the moment.');
```



5. Footer

```
Footer.jsx M X
home-app > src > components > Footer.jsx > ...
You, 6 seconds ago | 1 author (You)
1 import React from 'react';
2 import '../styles/styles.css';
3
4 const Footer = () => {
5   return (
6     <footer className="footer">
7       <div className="container">
8
9         <div className="text-center contact-info">
10          <h5>Contact Us</h5>
11          <p>Email: <a href="mailto:info@inkpvtltd.com">info@inkpvtltd.com</a></p>
12          <p>Phone: <a href="tel:+1234567890">+1 (234) 567-890</a></p>
13          <p>Address: 123 Fashion St, Kandy, Central Province, Sri Lanka</p>
14        </div>
15
16        <p className="text-center">© 2024 INK PVT(LTD). All Rights Reserved.</p>
17        <p className="text-center">
18          <a href="#privacy-policy" className="footer-link">Privacy Policy</a> | <a href="#terms" className="footer-link">Terms of Use</a>
19        </p>
20      </div>
21    </footer>
22  );
23 };
24
25 export default Footer;
26
27
28
```

6. Home Page

```
Home.jsx X
home-app > src > Pages > Home.jsx > [e] Home
You, 6 hours ago | 1 author (You)
1 import React from 'react';
2 import LandingSection from '../components/LandingSection';
3 import Services from '../components/Services';
4 import Footer from '../components/Footer';
5 import BlogSection from '../components/BlogSection';
6
7 const Home = () => {
8   You, 6 hours ago • Styled blog and footer
9   return (
10     <>
11       <LandingSection/>
12       <Services/>
13       <BlogSection/>
14       <Footer/>
15     </>
16   );
17 };
18
19 export default Home;
20
21
```

7. App.js

```

JS App.js x
home-app > src > JS App.js > App
3 import 'bootstrap/dist/css/bootstrap.min.css';
4 import Home from './Pages/Home';
5 import NavBar from './components/NavigationBar';
6 import { useEffect } from 'react';
7
8 function App() {
9
10   useEffect(() => {
11     const handleScroll = () => {
12       const navbar = document.querySelector('.navbar');
13       if (window.scrollY > 50) {
14         navbar.classList.add('scrolled');
15       } else {
16         navbar.classList.remove('scrolled');
17       }
18     };
19
20     window.addEventListener('scroll', handleScroll);
21
22     return () => {
23       window.removeEventListener('scroll', handleScroll);
24     };
25   }, []);
26
27   return (
28     <div className="App">
29       <BrowserRouter>
30         <NavigationBar /> You, 15 hours ago • completed the landing page design
31         <Routes>
32           <Route path="/" element={<Home />} />
33         </Routes>
34       </BrowserRouter>
35     </div>
36   );
37 }
38
39

```

Deployment Process

Deployment Steps:

- Build the application using npm run build.
- Choose a hosting platform.
- Follow the platform's instructions to deploy the application.

Hosting Steps for Netlify:

1. Create a Netlify account and link your GitHub repository.
2. Select the repository and set the build command.
3. Deploy the site.



Performance Optimization

Image Optimization:

- Use appropriate image formats and sizes to reduce load times.
- Utilize lazy loading for images in the blog section.

Code Splitting:

- Implement code splitting to load only necessary components.

Caching Strategies:

- Leverage browser caching for static assets to improve loading speed.

Version Control

Version Control

- The project is maintained in a GitHub repository.
- https://github.com/KavishiDSirisena/Homepage_Assignment