


Day 5


Testing, Errors Handling & Backend Integration Refinement

1. Functional Testing:

Sign in to Rental cars

Welcome back! Please sign in to continue

 GitHub


 Google

or

Email address or username

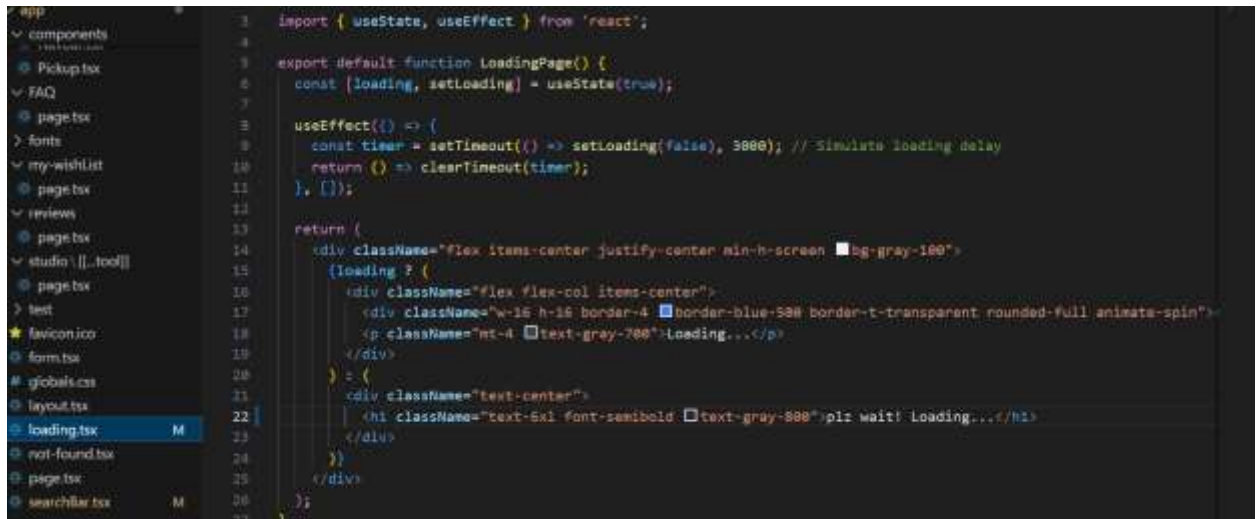
Continue ▶

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Secured by  clerk
Development mode

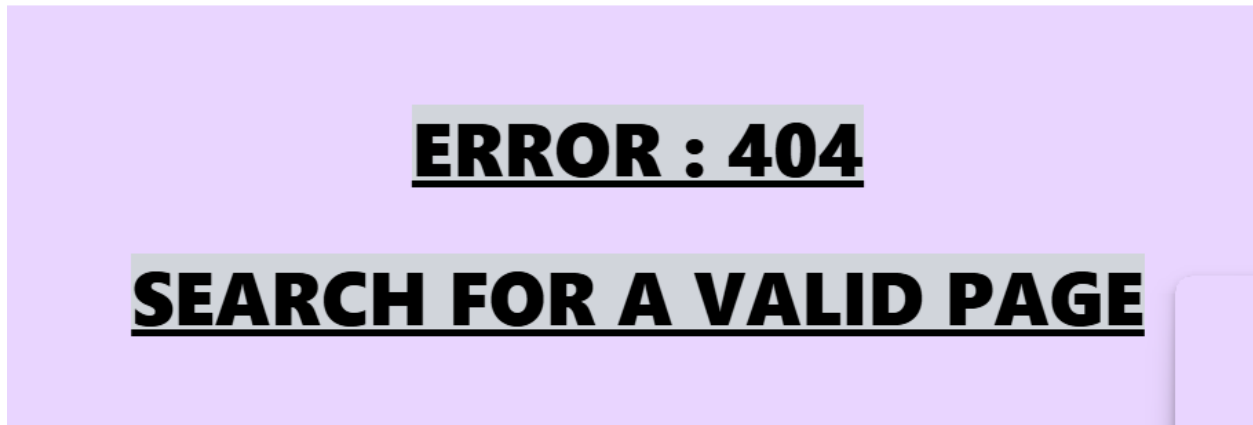
2. Error Handling:

- Loading State



```
1 import { useState, useEffect } from 'react';
2
3 export default function LoadingPage() {
4   const [loading, setLoading] = useState(true);
5
6   useEffect(() => {
7     const timer = setTimeout(() => setLoading(false), 3000); // Simulate loading delay
8     return () => clearTimeout(timer);
9   }, []);
10
11   return (
12     <div className="flex items-center justify-center min-h-screen bg-gray-100">
13       {loading ? (
14         <div className="flex flex-col items-center">
15           <div className="w-16 h-16 border-4 border-blue-500 border-t-transparent rounded-full animate-spin">
16             <p className="mt-4 text-gray-700">loading...</p>
17           </div>
18         ) : (
19           <div className="text-center">
20             <h1 className="text-5xl font-sans font-weight-bold text-gray-800">pls wait! Loading...</h1>
21           </div>
22         )}
23     </div>
24   );
25 }
```

- Not Found



```
... searchBar.tsx M not-found.tsx X
src > app > not-found.tsx > ...
1 import React from 'react'
2
3 const NotFound = () => {
4   return (
5     <div className="px-[48px] py-[32px] bg-purple-200">
6
7       <div className="flex items-center justify-center">
8         <h1 className="text-4xl uppercase font-extrabold text-center my-4 underline bg-gray-300">Error : 404-
9       </div>
10
11       <div className="flex items-center justify-center">
12         <h1 className="text-4xl uppercase font-extrabold text-center my-4 underline bg-gray-300">SEARCH FOR A
13       </div>
14
15     </div>
16   )
17 }
18
19 export default NotFound
```

3. Performance Testing:

- For Desktop

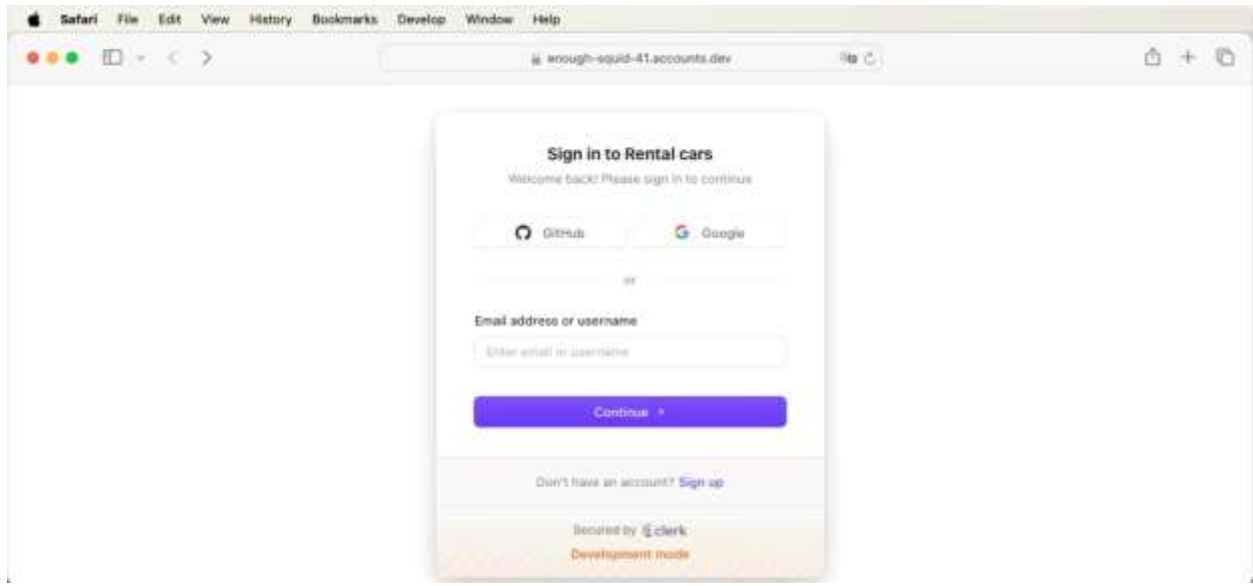


- For Mobile

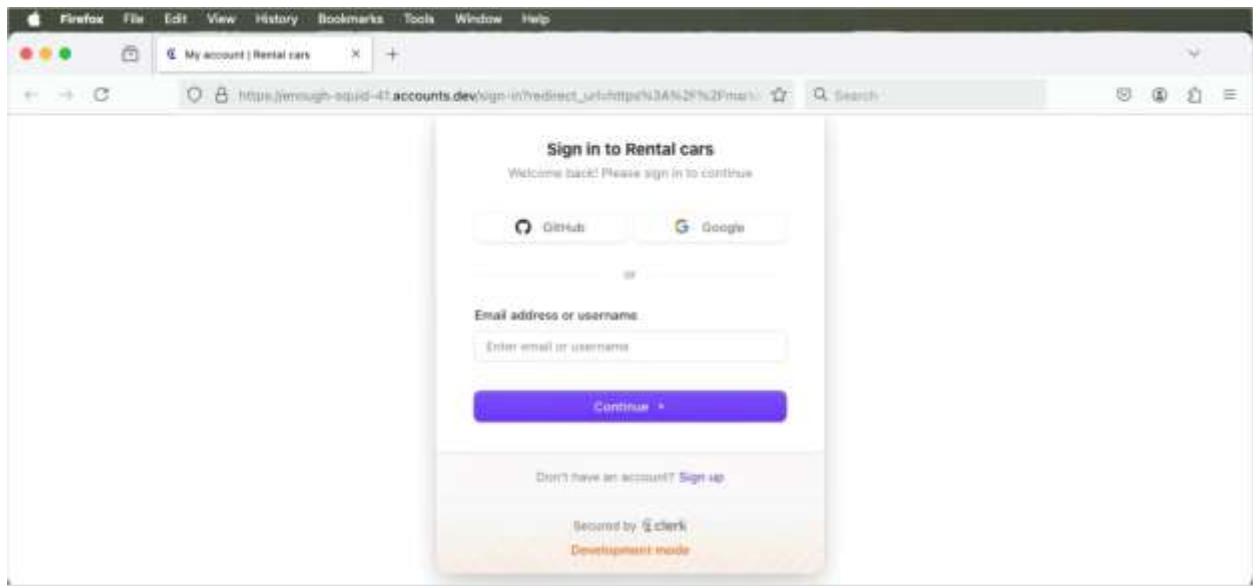


4. Cross Browser And Device Testing:

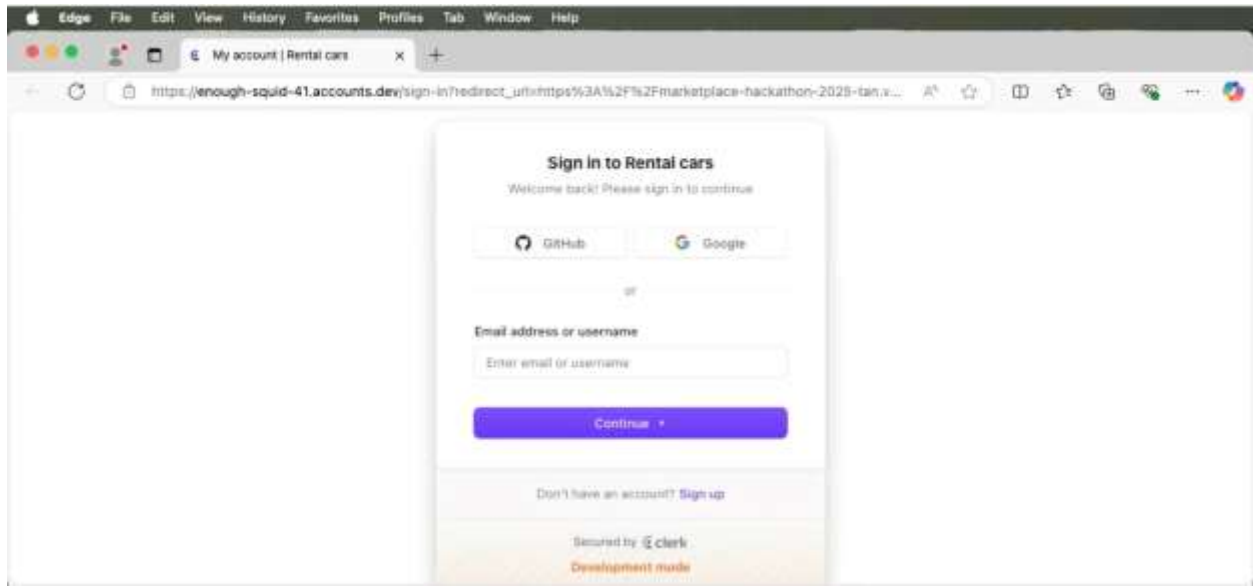
- For Safari



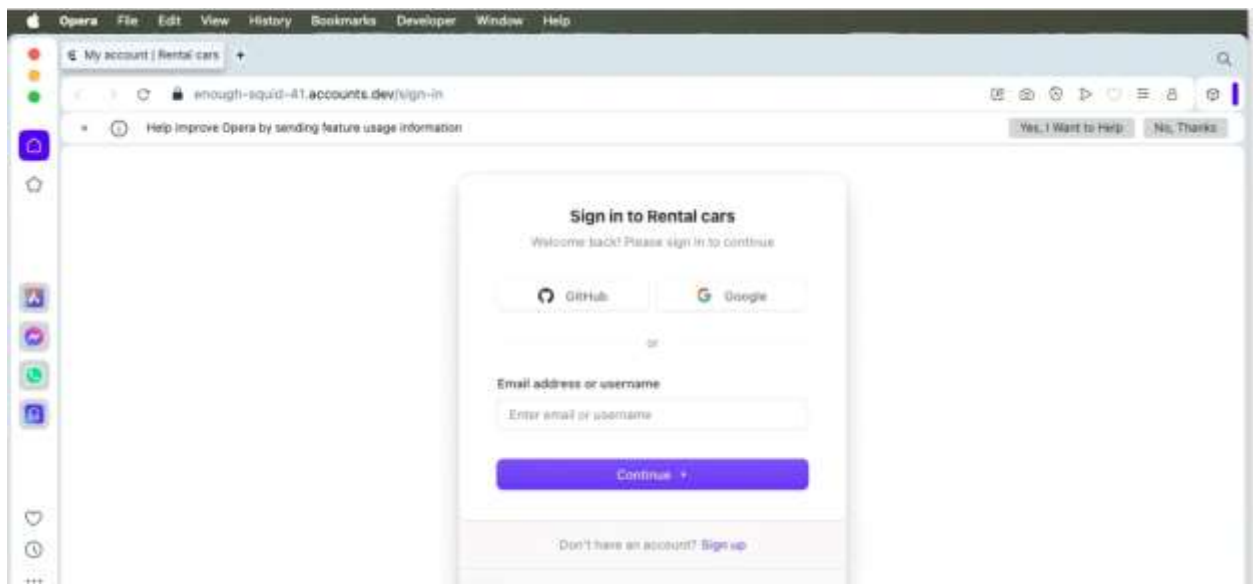
- For Firefox



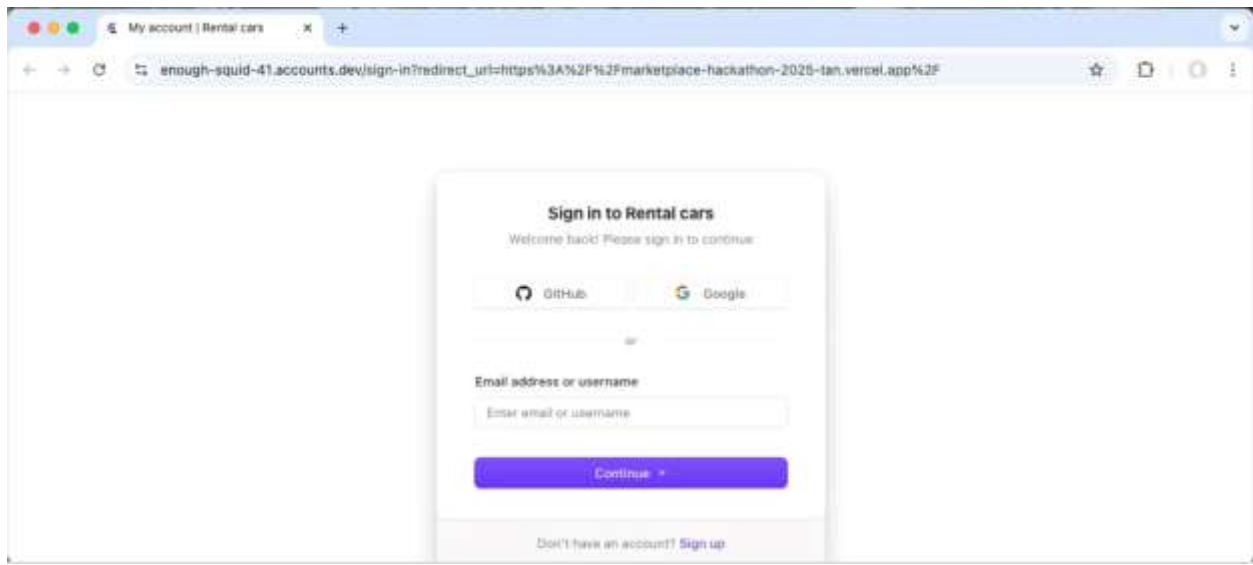
- For Edge



- For Opera



- For Google



5. Duration

Largest Contentful Paint (LCP)

5.12 s

Your local LCP value of 5.12 s is poor.

LCP element `div.relative.text-white.rounded-xl....`

Cumulative Layout Shift (CLS) ?

0.00

Your local CLS value of 0.00 is good.

Worse

Good (≤ 0.10)

Needs improvement (0.10-0.25)

Poor (> 0.25)

Interaction to Next Paint (INP)

8 ms

Your local INP value of 8 ms is good.

INP

Good (≤ 200 ms)

Needs improvement (200 ms-500 ms)

Poor (> 500 ms)

[Learn more](#)

[Inter](#)

Phase

Local duration (ms)

Input delay

2

