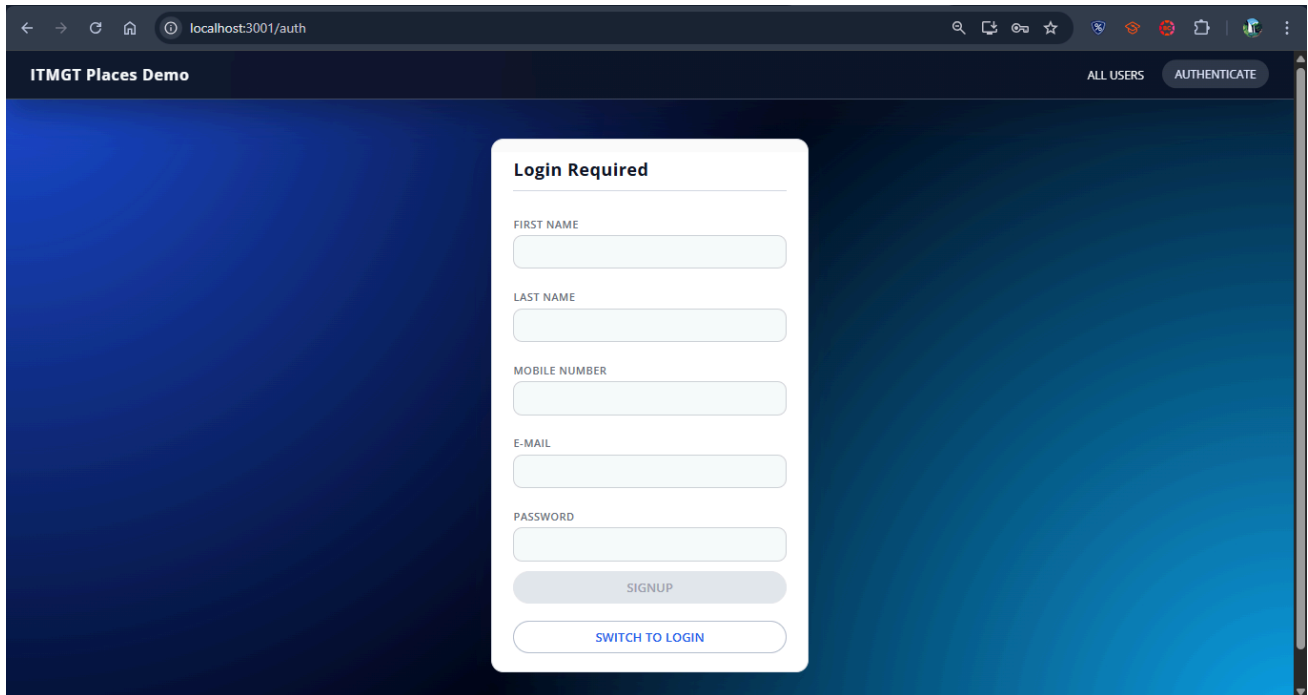


Updated Auth.js

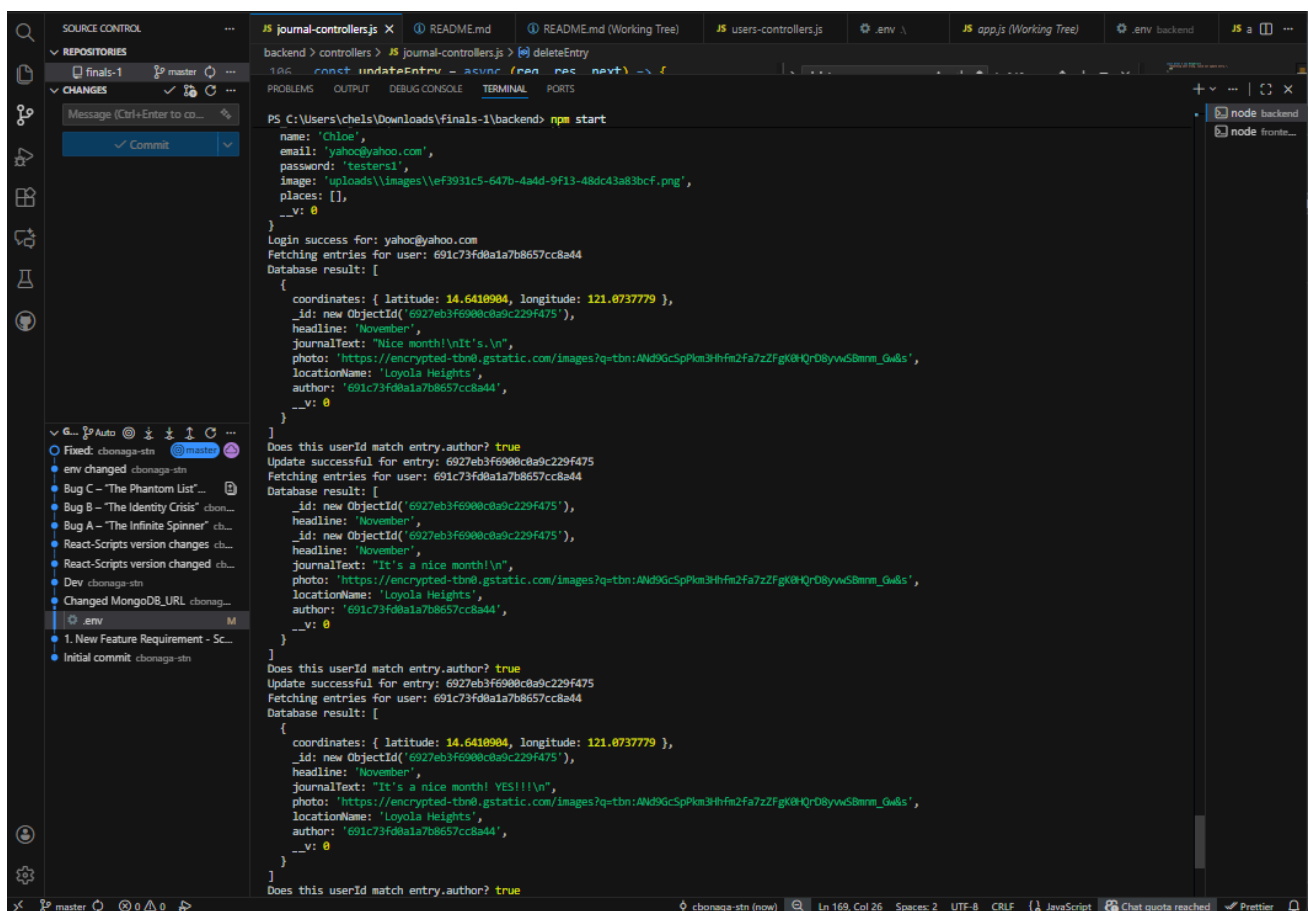
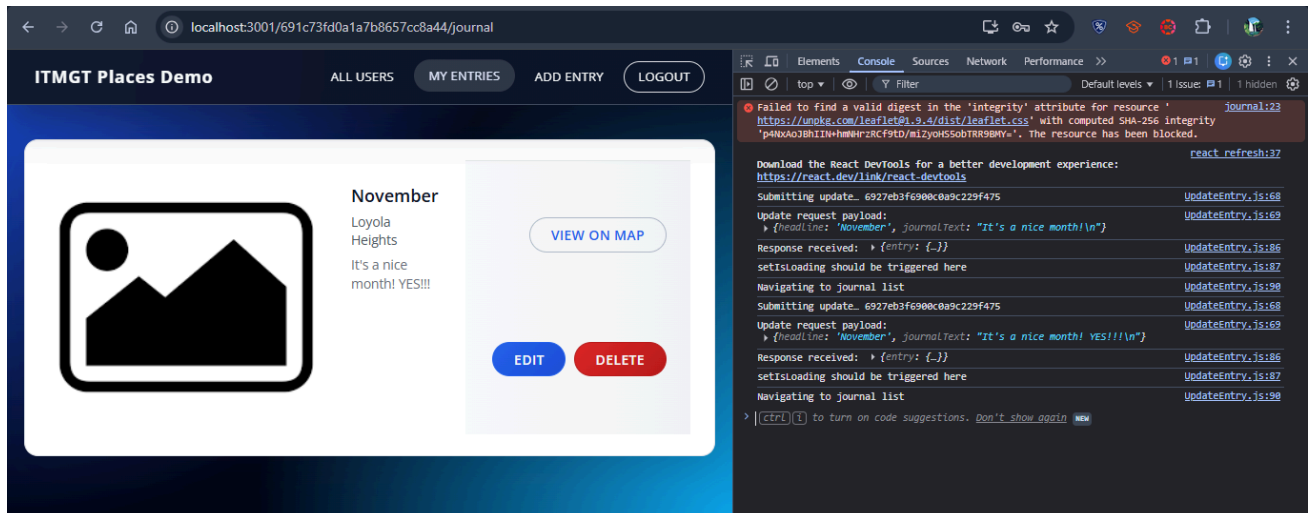
Added extra boxes to the signup form for first name, last name, and phone number. These boxes only show up when someone chooses to sign up. The information entered is checked to make sure it's correct, saved temporarily, and then sent to the system when signing up. This helps the app use names to make it more personal instead of just using email.

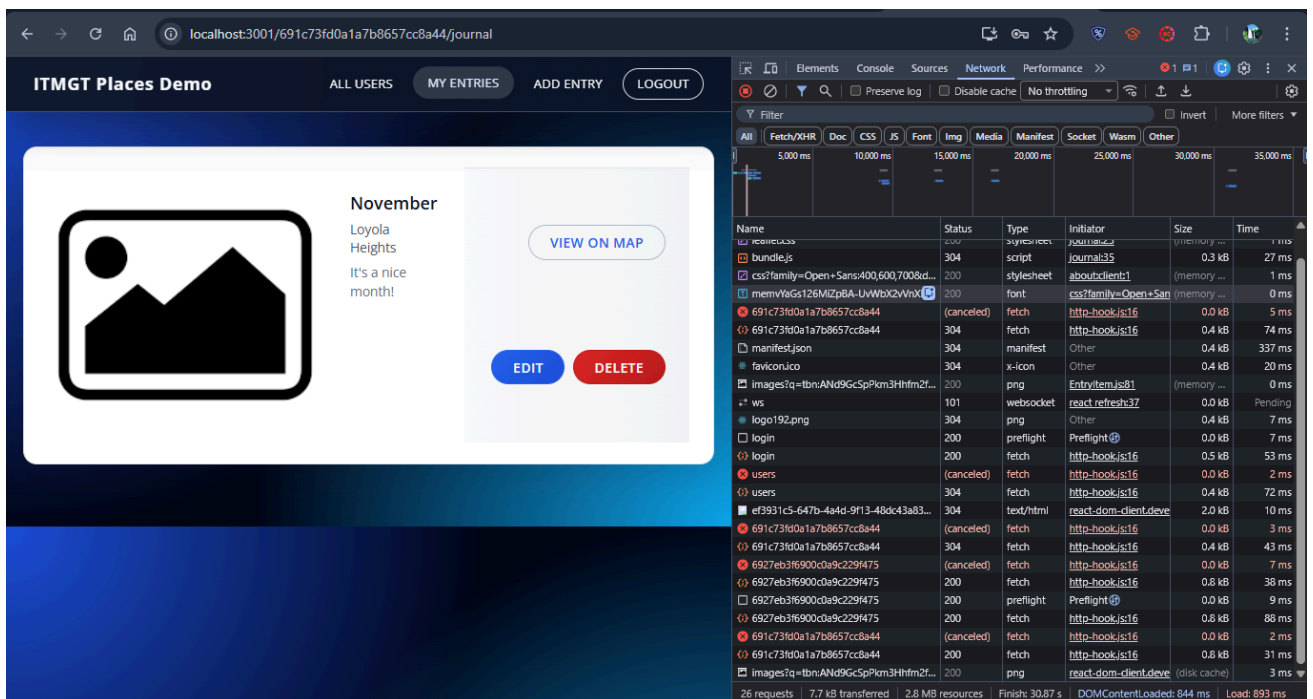
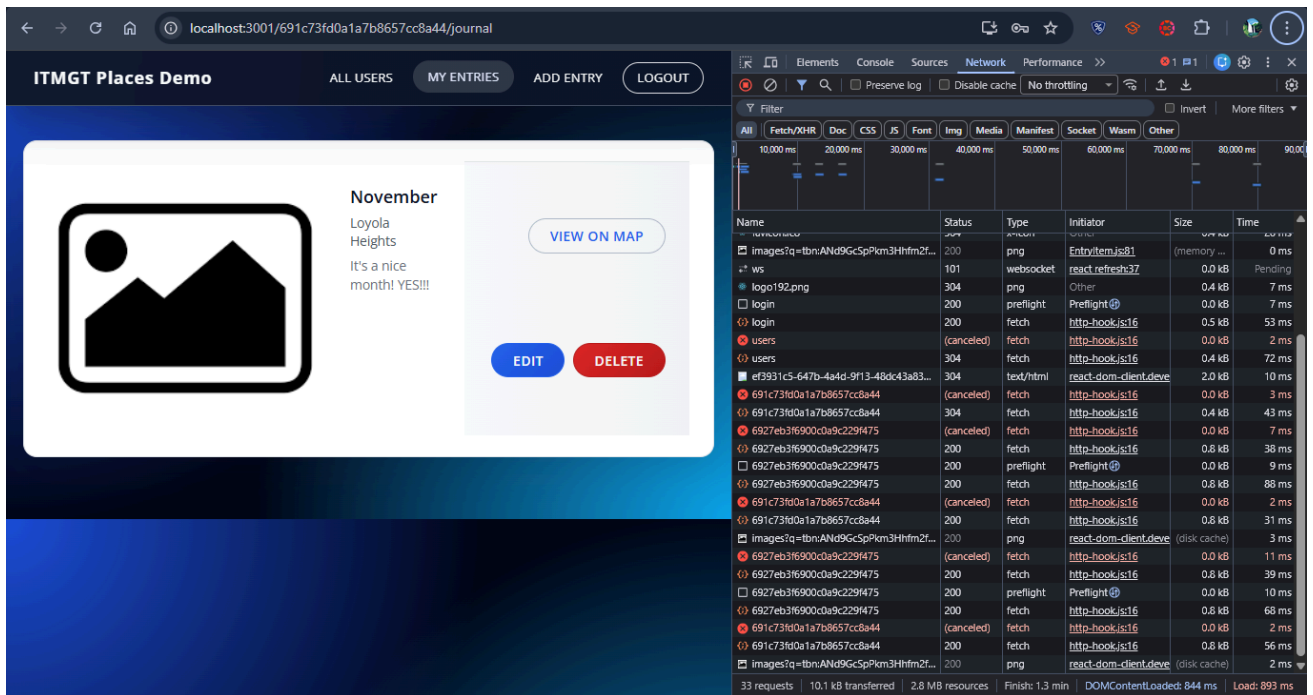


The screenshot shows a web browser window with the address bar displaying 'localhost:3001/auth'. The page title is 'ITMGT Places Demo'. In the top right corner, there are two buttons: 'ALL USERS' and 'AUTHENTICATE'. A modal form titled 'Login Required' is centered on the screen. The form contains the following fields and buttons:

- FIRST NAME**: A text input field.
- LAST NAME**: A text input field.
- MOBILE NUMBER**: A text input field.
- E-MAIL**: A text input field.
- PASSWORD**: A text input field.
- SIGNUP**: A button.
- SWITCH TO LOGIN**: A button.

Bug A – Infinite Spinner (Frontend)





DevTools Evidence:

- Network tab showed a successful PATCH request with status 200.
- Console tab confirmed logs fired in correct order.

Bug:

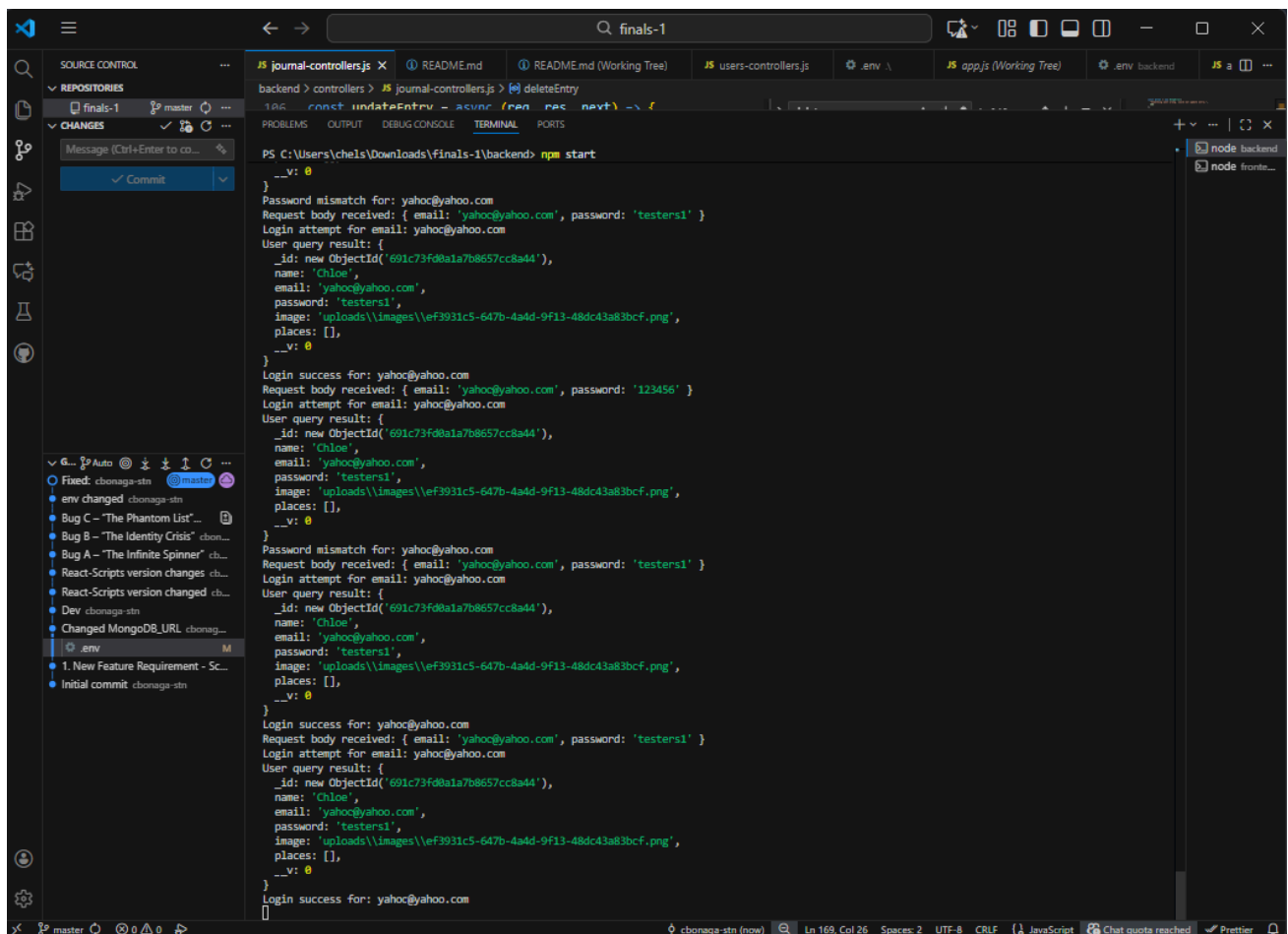
- It's not properly or fails to connect to the backend or the route doesn't exist.

Fix:

- Added error logs to show if the backend request failed.

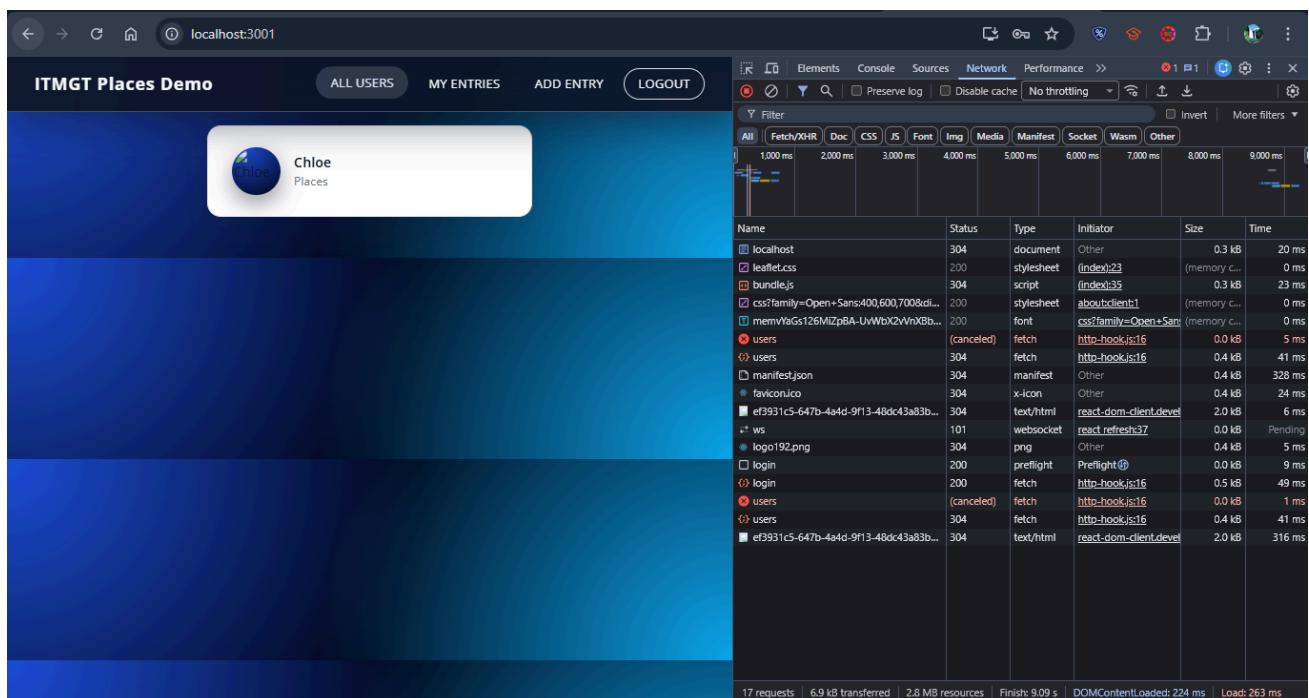
Bug B – Identity Crisis (Backend)

Correct credentials



```
PS C:\Users\chels\Downloads\finals-1\backend> npm start

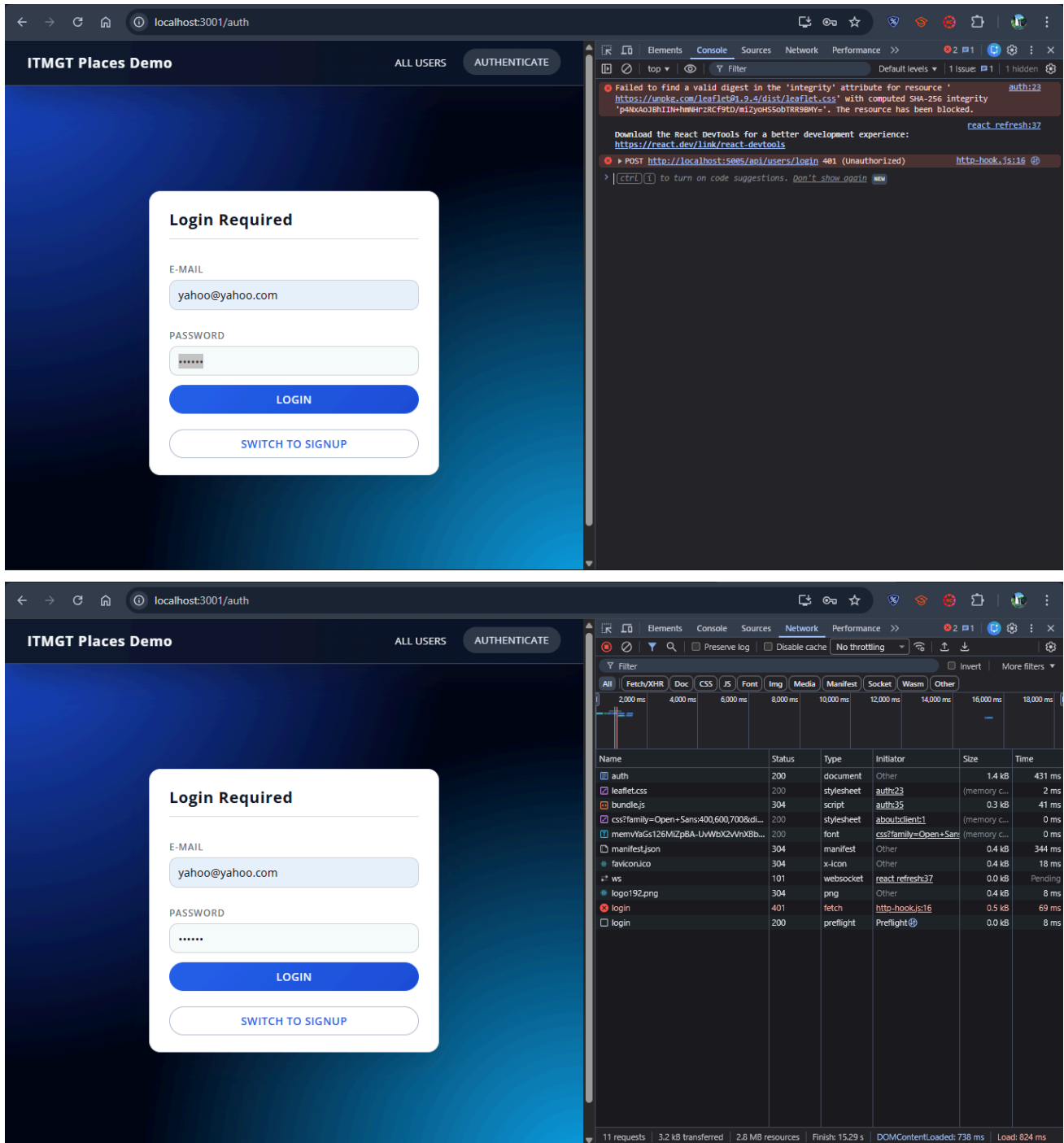
__v: 0
}
Password mismatch for: yahoc@yahoo.com
Request body received: { email: 'yahoc@yahoo.com', password: 'testers1' }
Login attempt for email: yahoc@yahoo.com
User query result: {
  _id: new ObjectId('691c73fd8a1a7b8657cc8a44'),
  name: 'Chloe',
  email: 'yahoc@yahoo.com',
  password: 'testers1',
  image: 'uploads\\images\\ef3931c5-647b-4a4d-9f13-48dc43a83bcf.png',
  places: [],
  __v: 0
}
Login success for: yahoc@yahoo.com
Request body received: { email: 'yahoc@yahoo.com', password: '123456' }
Login attempt for email: yahoc@yahoo.com
User query result: {
  _id: new ObjectId('691c73fd8a1a7b8657cc8a44'),
  name: 'Chloe',
  email: 'yahoc@yahoo.com',
  password: 'testers1',
  image: 'uploads\\images\\ef3931c5-647b-4a4d-9f13-48dc43a83bcf.png',
  places: [],
  __v: 0
}
Password mismatch for: yahoc@yahoo.com
Request body received: { email: 'yahoc@yahoo.com', password: 'testers1' }
Login attempt for email: yahoc@yahoo.com
User query result: {
  _id: new ObjectId('691c73fd8a1a7b8657cc8a44'),
  name: 'Chloe',
  email: 'yahoc@yahoo.com',
  password: 'testers1',
  image: 'uploads\\images\\ef3931c5-647b-4a4d-9f13-48dc43a83bcf.png',
  places: [],
  __v: 0
}
Login success for: yahoc@yahoo.com
Request body received: { email: 'yahoc@yahoo.com', password: 'testers1' }
Login attempt for email: yahoc@yahoo.com
User query result: {
  _id: new ObjectId('691c73fd8a1a7b8657cc8a44'),
  name: 'Chloe',
  email: 'yahoc@yahoo.com',
  password: 'testers1',
  image: 'uploads\\images\\ef3931c5-647b-4a4d-9f13-48dc43a83bcf.png',
  places: [],
  __v: 0
}
Login success for: yahoc@yahoo.com
```



Name	Status	Type	Initiator	Size	Time
localhost	304	document	Other	0.3 kB	20 ms
leaflet.css	200	stylesheet	(index):23	(memory c...	0 ms
bundle.js	304	script	(index):35	0.3 kB	23 ms
css?family=Open+Sans:400,600,700&di...	200	stylesheet	about:clients1	(memory c...	0 ms
memVYeGs126Mizp8A-UwWbX2VnXBb...	200	font	css?family=Open+San...	(memory c...	0 ms
users	304	fetch	http-hook.js:16	0.0 kB	5 ms
manifest.json	304	manifest	Other	0.4 kB	41 ms
favicon.ico	304	x-icon	Other	0.4 kB	328 ms
ef3931c5-647b-4a4d-9f13-48dc43a83b...	304	text/html	react-dom-client:dev	2.0 kB	24 ms
+ ws	101	websocket	react-refresh:37	0.0 kB	6 ms
logo192.png	304	png	Other	0.4 kB	5 ms
login	200	preflight	Preflight@	0.0 kB	9 ms
login	200	fetch	http-hook.js:16	0.5 kB	49 ms
users	(canceled)	fetch	http-hook.js:16	0.0 kB	1 ms
users	304	fetch	http-hook.js:16	0.4 kB	41 ms
ef3931c5-647b-4a4d-9f13-48dc43a83b...	304	text/html	react-dom-client:dev	2.0 kB	316 ms

17 requests | 6.9 kB transferred | 2.8 MB resources | Finish: 9.09 s | DOMContentLoaded: 224 ms | Load: 263 ms

Wrong credentials



DevTools Evidence:

- Network tab showed POST /api/users/login with correct payload and response.
- Console tab (backend) confirmed query result and login success.

Problem:

- Since we added first and last names, the "name" field (user.name) has changed. As a result, if a user has only a single name or is an old user, the app doesn't recognize them.

Fix:

- Added first name, last name, and mobile number to the signup constant; modified it to display either the old user's single name or full name.
- Identify users by their email or query match.
- Added log error togs to show if the request failed.

Bug C – Phantom List (Backend)

Fetch list of journals

The screenshot shows the Visual Studio Code interface. The top bar indicates the file path: `frontent > src > JS Appjs > App > login > useCallback() callback`. The editor displays a JavaScript file with the following code:

```
6   Navigate,
7   } from "react-router-dom";
8
9   import Users from "../user/pages/Users";
10  // UPDATED: Importing renamed Entry/Journal components
11  import NewEntry from "../journals/pages/NewEntry";
12  import UserJournal from "../journals/pages/UserJournal";
13  import UpdateEntry from "../journals/pages/UpdateEntry";
14  import Auth from "../user/pages/Auth";
```

The terminal window at the bottom shows the output of a command:

```
places: [],
__v: 0
}
Login success for: yahoc@yahoo.com
Fetching entries for user: 691c73fd0a1a7b8657cc8a44
Database result: [
  {
    coordinates: { latitude: 14.6410984, longitude: 121.0737779 },
    _id: new ObjectId('6927eb3f6900c0a9c229f475'),
    headline: 'November',
    journalText: "It's a nice month! YES!!!\n",
    photo: 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSpPkm3Hrfm2Fa7zZFgK0HQRD8yvwS8mm_Gw&s',
    locationName: 'Loyola Heights',
    author: '691c73fd0a1a7b8657cc8a44',
    __v: 0
  },
  {
    coordinates: { latitude: 14.6410984, longitude: 121.0737779 },
    _id: new ObjectId('6927f269845707defbd2b3c6'),
    headline: 'December',
    journalText: 'Hello',
    photo: 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSpPkm3Hrfm2Fa7zZFgK0HQRD8yvwS8mm_Gw&s',
    locationName: 'Loyola Heights',
    author: '691c73fd0a1a7b8657cc8a44',
    __v: 0
  },
  {
    coordinates: { latitude: 12.7503486, longitude: 122.7312101 },
    _id: new ObjectId('6927f380845707defbd2b3d8'),
    headline: 'Months',
    journalText: '12 months',
    photo: 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSpPkm3Hrfm2Fa7zZFgK0HQRD8yvwS8mm_Gw&s',
    locationName: 'Philippines',
    author: '691c73fd0a1a7b8657cc8a44',
    __v: 0
  }
]
Does this userId match entry.author? true
[]
```

The source control panel on the left shows the following changes:

- Fixed: cbonaga-stn
- env changed: cbonaga-stn
- Bug C – "The Phantom List"...
- Bug B – "The Identity Crisis" cbon...
- Bug A – "The Infinite Spinner" cb...
- React-Scripts version changes cb...
- React-Scripts version changed cb...
- Dev cbonaga-stn
- Changed MongoDB_URL cbonag...
- .env
- 1. New Feature Requirement - Sc...
- Initial commit cbonaga-stn

localhost:3001/691c73fd0a1a7b8657cc8a44/journal

ITMGT Places Demo

ALL USERSMY ENTRYESADD ENTRYLOGOUT

November

Loyola Heights
It's a nice month! YES!!!

[VIEW ON MAP](#)

EDIT

DELETE

December

Loyola Heights
Hello

[VIEW ON MAP](#)

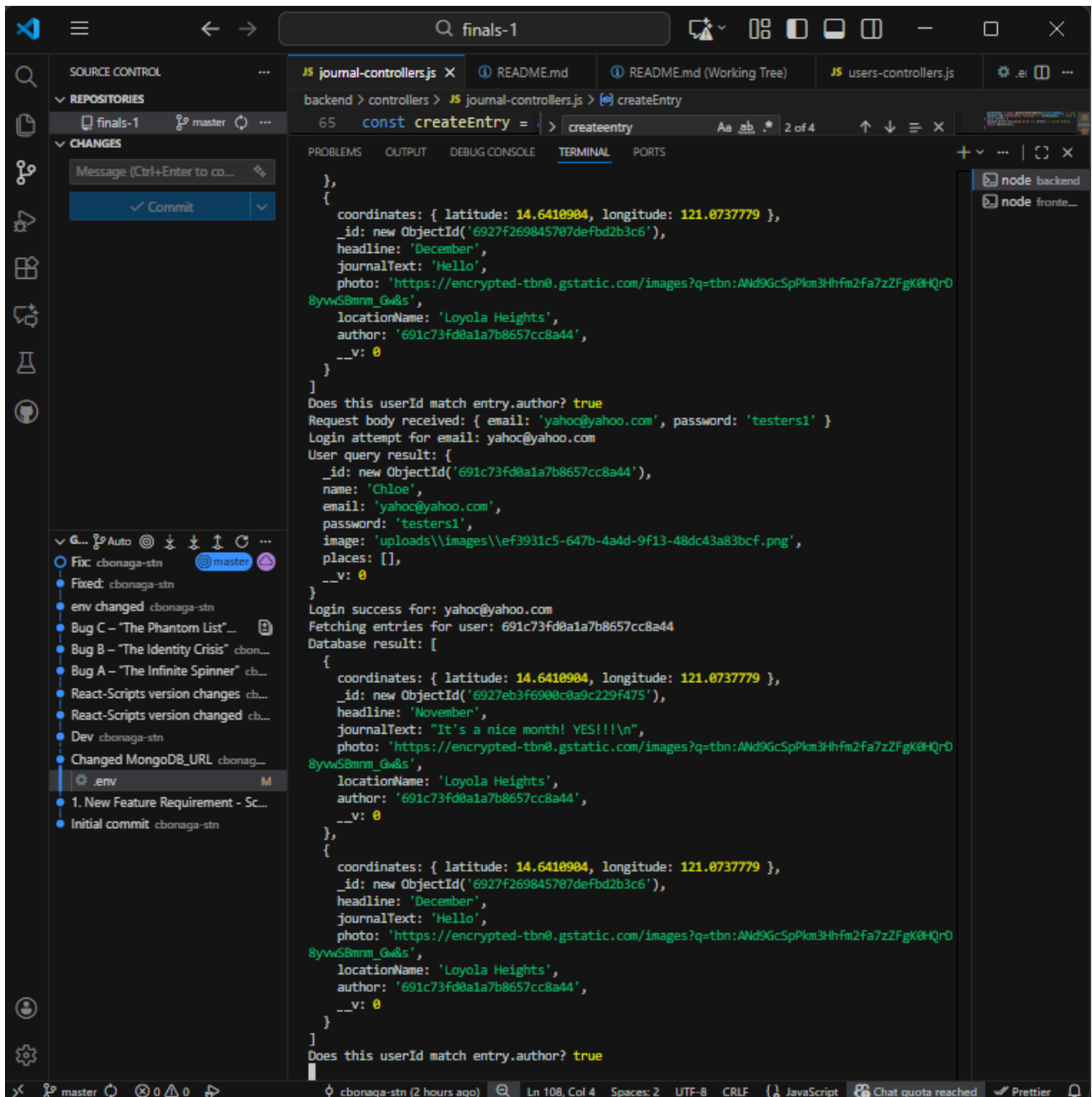
EDIT

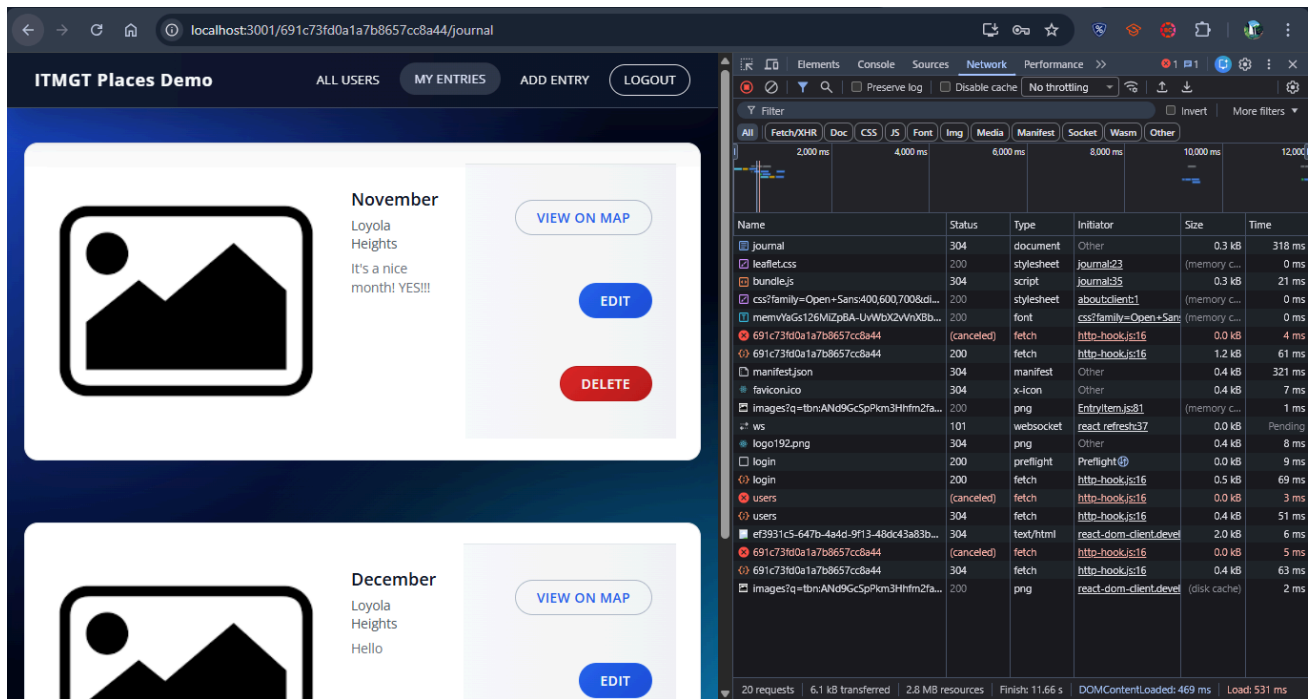
ElementsConsoleSourcesNetworkPerformance

Filter

Name	Status	Type	Initiator	Size	Time
journal	304	document	Other	0.3 kB	363 ms
leaflet.css	200	stylesheet	journal:23	(memory ...)	1 ms
bundle.js	304	script	journal:35	0.3 kB	50 ms
css?family=Open+Sans:400,600,700&dis...	200	stylesheet	about:client:1	(memory ...)	2 ms
memvVaGt126MiZpBA-UvWbX2VvX8b...	200	font	css?family=Open+Sans	(memory ...)	1 ms
691c73fd0a1a7b8657cc8a44	(canceled)	fetch	http-hook.js:16	0.0 kB	6 ms
691c73fd0a1a7b8657cc8a44	304	fetch	http-hook.js:16	0.4 kB	69 ms
manifest.json	304	manifest	Other	0.4 kB	330 ms
images?q=tbn:ANd9GcSpPcm3Hhfm2fa...	200	png	EntryItem.js:81	(memory ...)	0 ms
ws	101	websocket	react.refresh:37	0.0 kB	Pending
logo192.png	304	png	Other	0.4 kB	6 ms
login	200	preflight	Preflight @	0.0 kB	9 ms
login	200	fetch	http-hook.js:16	0.5 kB	63 ms
users	(canceled)	fetch	http-hook.js:16	0.0 kB	3 ms
users	304	fetch	http-hook.js:16	0.4 kB	56 ms
ef8931c5-647b-4a4d-9f13-48dc43a83bc...	304	text/html	react_dom_client.devel	2.0 kB	5 ms
691c73fd0a1a7b8657cc8a44	(canceled)	fetch	http-hook.js:16	0.0 kB	3 ms
691c73fd0a1a7b8657cc8a44	304	fetch	http-hook.js:16	0.4 kB	54 ms

18 requests | 4.9 kB transferred | 2.8 MB resources | Finish: 14.73 s | DOMContentLoaded: 666 ms | Load: 747 ms





DevTools Evidence:

- Changes in the console and network.

Problem:

- Even if the list is empty, it still tries to look.
- It doesn't save changes.
- It doesn't actually delete entries.

Fix:

- `return res.json({ entries: [] });` which return an empty array when no entries are found.
- `await entry.save();` saves the changes to the database.
- `await entry.deleteOne();` actually deletes the entry from the database.
- Added log error togs to show if the request failed.

AI Usage Note

Throughout the development and debugging of this project, I used Microsoft Copilot to assist me with identifying and resolving specific coding errors while still following the original instructions and requirements. It provided me step-by-step guide to:

- Diagnose bugs in both frontend and backend components
- Explain what each function is for and how it should work.

Most importantly, every change and correction was done with an understanding of what the code was supposed to do. It helped me write, improve, and check the code while keeping everything clear and easy to follow during the debugging.

Main prompt:

- “Please help me open the web.” – There were errors when I bashed the commands on the terminal.
- “I am supposed to debug a code with [symptom/s in the instructions]. Guide me in debugging it to make it work.”