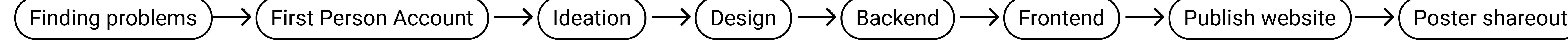


# EasyEats

## Project process



## What first person evidence did we find for this idea?

In the article [Dear Restaurants, Your Inaccessibility Is the Opposite of Hospitality](#), by Ace Ratcliff, the author talks about the challenges of being in a wheelchair with hypermobile Ehlers-Danlos Syndrome. In the past, Ratcliff called restaurants to ask for accommodation needs, but not anymore. Unfortunately, Ratcliff will now expect "not to be accommodated" in most restaurants. Ratcliff often experiences trouble with a lack of access ramps, waiting in poorly designed waiting areas, finding a table for Ratcliff and dealing with staff who are untrained in providing access needs. Despite the ADA law, federal agencies typically fail to resolve access violations, and restaurants are usually not designed for accessibility. Ratcliff frames this as a missed opportunity, as Ratcliff points out that "people with disabilities are the third largest market segment in the United States". Ratcliff then ends with suggesting that restaurants should always be built for accessibility because it is kind and will expand a restaurant's clientele.

Like Ratcliff, we also believe that a restaurant should improve towards accommodating those with access needs. Our idea is to raise awareness of access needs in restaurants through a restaurant rating platform for access needs. This will hold restaurants accountable for providing access needs. Just like rating platforms like Yelp, we aim to make a platform that:

1. Provide an overview of access accommodations that the restaurant provides
2. Allows users to rate a restaurant based on the level of accommodations provided to the users.
3. Allows users to provide reporting/comments on a restaurant as it pertains to accommodations.

## What is it?

EasyEats is an accessibility rating system for restaurants, similar to the price/dollar sign ratings on platforms like Yelp and Google Maps. This system will serve as a valuable reference for people with disabilities to find enjoyable dining experiences and encourage restaurants to improve their accessibility standards.

## How might we create a restaurant rating system supporting accessible services for disabled people?

### Why is it needed?

The app iAccess Life does this, but is only a mobile app. We want to focus on building a web-based version to enhance accessibility. Hopefully, this can be later integrated into larger platforms like Yelp or Google Maps to reach a broader audience and maximize impact.

### How did we achieve our goals?

Our team has designers and full-stack developers to build this site. We designed the frontend in Figma and built the website with website-compatible languages, specifically Python and TypeScript. We applied accessibility principles from our coursework to ensure the site is inclusive and user-friendly.

## Userflow



## Ask me about/Let's chat

Why is there no image on the website?  
 Why is the website only black and white?  
 How will you publish the website?  
 How are you managing the database?

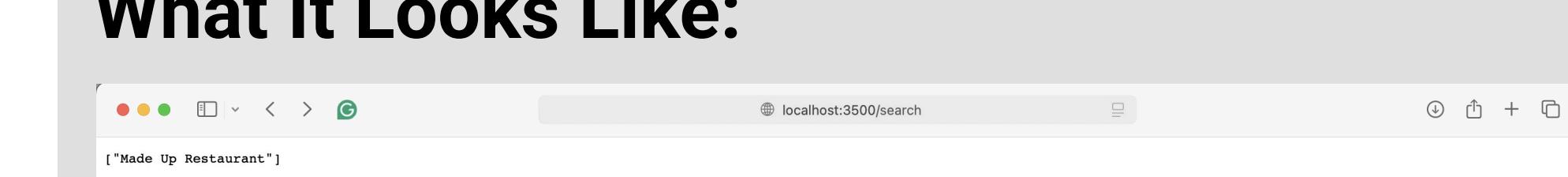
## Generate List of Restaurants from Database:

### Backend Call to Receive List of Restaurants

```

@app.route('/search', methods=['GET'])
def search():
    restaurants = RestaurantInfo.get_restaurants()
    return jsonify(restaurants)
  
```

### What It Looks Like:



### Frontend Generates List of Restaurants

```

export default function Restaurants() {
    const [restaurants, setRestaurants] = useState([]);
    const navigate = useNavigate();
    const history = useHistory();

    useEffect(() => {
        if (localStorage.getItem('token')) {
            // Redirect to home page
            history.push('/');
        }
    }, []);

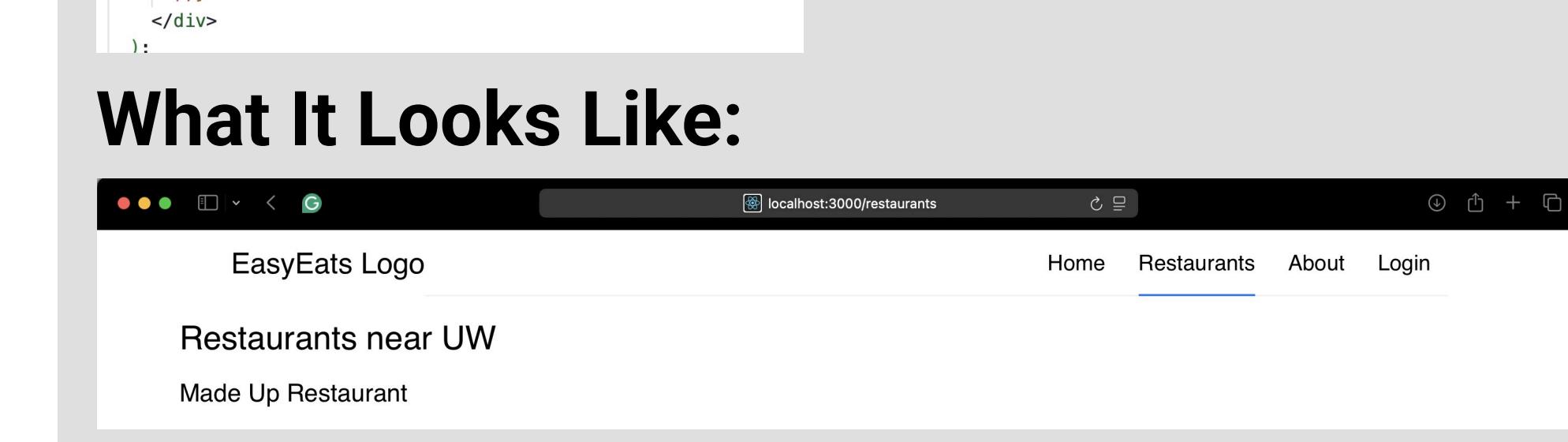
    const [error, setError] = useState(null);

    const fetchRestaurants = async () => {
        try {
            const response = await axios.get(`http://localhost:5000/api/search`);
            setRestaurants(response.data);
        } catch (err) {
            setError(err);
        }
    };

    const handleSearch = (e) => {
        e.preventDefault();
        fetchRestaurants();
    };

    return (
        <div>
            <h1>Made Up Restaurant</h1>
            <input type="text" placeholder="Search for a restaurant..." />
            <button onClick={handleSearch}>Search</button>
            <ul>
                {restaurants.map((restaurant) => (
                    <li key={restaurant.id}>{restaurant.name}</li>
                ))}
            </ul>
        </div>
    );
}
  
```

### What It Looks Like:



## Generate Restaurant Details & Reviews from Database:

### Backend Call Restaurant Details

```

@app.route('/get_data', methods=['GET'])
def get_data():
    return RestaurantInfo.get_restaurant_info()
  
```

### Frontend Generates Details

```

const RestaurantInfo = {
    get_restaurant_info() {
        return [
            {
                id: 1,
                name: 'Shawarma King',
                address: '5241 University Way NE, Seattle, WA 98195',
                phone: '(206) 913-2735',
                rating: 3.5,
                reviews: [
                    {
                        id: 1,
                        user: 'User 1',
                        rating: 4.5,
                        comment: 'Great place! Staff was very friendly and helpful. Food was delicious and well-prepared. Highly recommend!',
                    },
                    {
                        id: 2,
                        user: 'User 2',
                        rating: 4.0,
                        comment: 'Good place for a quick meal. Staff was friendly. Food was okay but not great. Will consider trying again in the future.',
                    },
                ],
            }
        ];
    }
};

class RestaurantInfo {
    static get_restaurant_info() {
        return [
            {
                id: 1,
                name: 'Shawarma King',
                address: '5241 University Way NE, Seattle, WA 98195',
                phone: '(206) 913-2735',
                rating: 3.5,
                reviews: [
                    {
                        id: 1,
                        user: 'User 1',
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                        comment: 'Great place! Staff was very friendly and helpful. Food was delicious and well-prepared. Highly recommend!',
                    },
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                        id: 2,
                        user: 'User 2',
                        rating: 4.0,
                        comment: 'Good place for a quick meal. Staff was friendly. Food was okay but not great. Will consider trying again in the future.',
                    },
                ],
            }
        ];
    }
}

function RestaurantInfo() {
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        return [
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                    },
                ],
            }
        ];
    }
}
  
```

### What It Looks Like:

