

Lab Assignment 4

Group Members

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Source Code:

The source code is given in the following drive links. Follow the link to view all the code files.

Full Project

<https://drive.google.com/drive/folders/1iUH04TEzbXlo1oen4u6ZZOocnPtggaQn?usp=sharing>

Full Frontend code

<https://drive.google.com/drive/folders/1sz6ecFAwerRIIMbFyILdCDt7IyQ8alsx?usp=sharing>

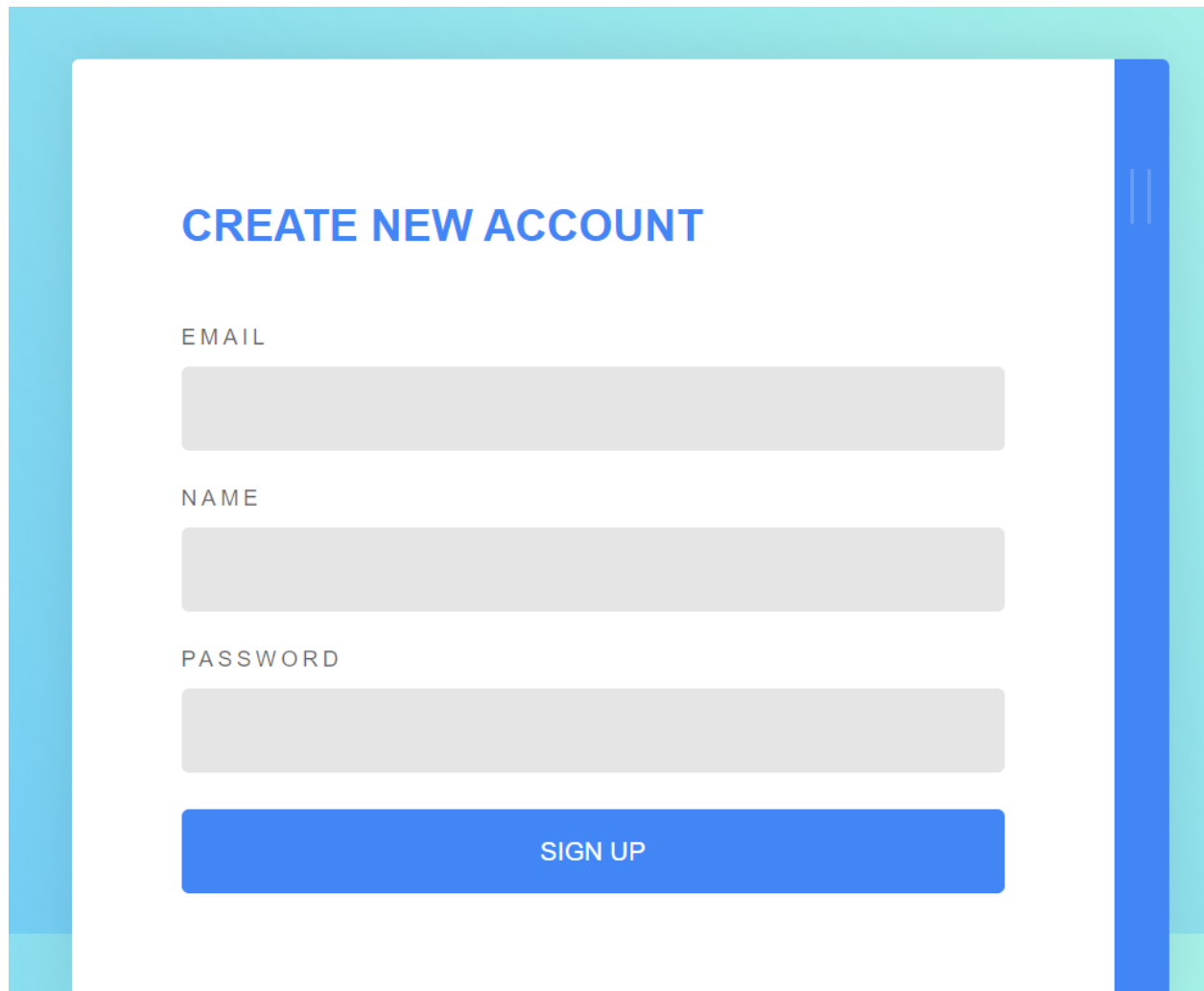
Full Backend code

- <https://drive.google.com/drive/folders/1ax5twDIHn5ZbZxJg1xsmsD5pC1Jomrpx?usp=sharing>

Other Sub Folders of code:

- Models –
https://drive.google.com/drive/folders/1vQ0hZp73JECRAAJyJTYKubw_yhk_dbS-?usp=sharing
- Routes -
<https://drive.google.com/drive/folders/1yENhCBSJzrLoiMMMySjd0twM7CTjxQkaY?usp=sharing>
- Services -
<https://drive.google.com/drive/folders/1YRQ44gVBgMmyOHDbiBcNq5ZdU-Zlutzx?usp=sharing>
- Utils –
<https://drive.google.com/drive/folders/1q5wghps6wuaGWffa9uUsnRYq0IIfgy?usp=sharing>

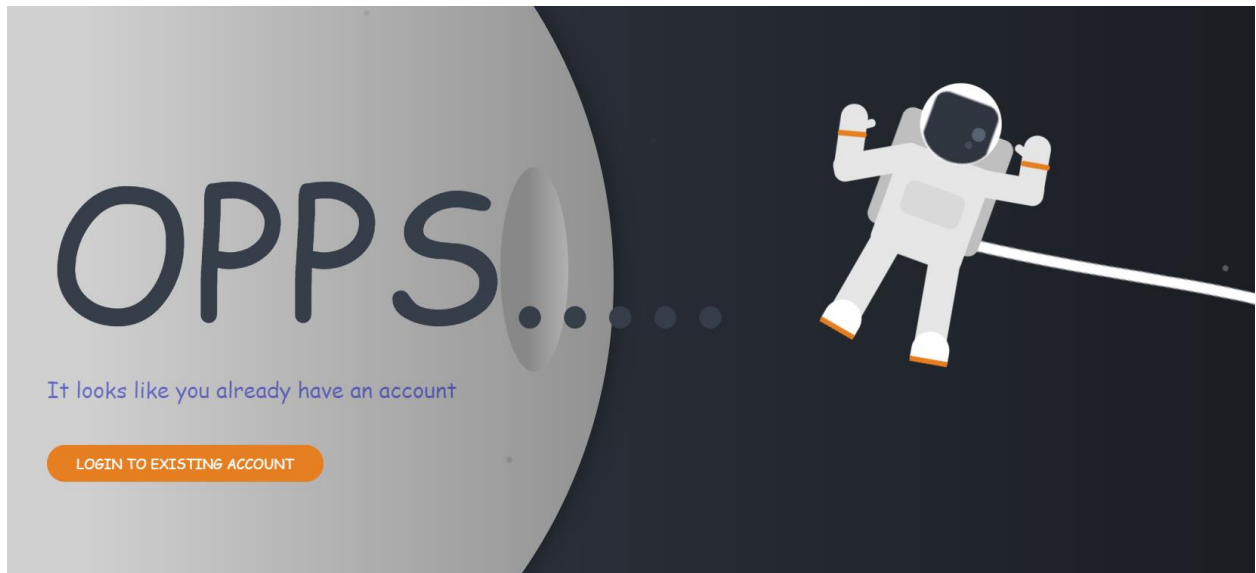
UID Screenshots:



A screenshot of a user interface for creating a new account. The page is framed by a light blue border. On the right side, there is a vertical blue bar with two white vertical lines near the top. The main content area is white and contains the following elements:

- CREATE NEW ACCOUNT**: A blue heading at the top.
- EMAIL**: A label above a light gray input field.
- NAME**: A label above a light gray input field.
- PASSWORD**: A label above a light gray input field.
- SIGN UP**: A blue button with white text at the bottom.

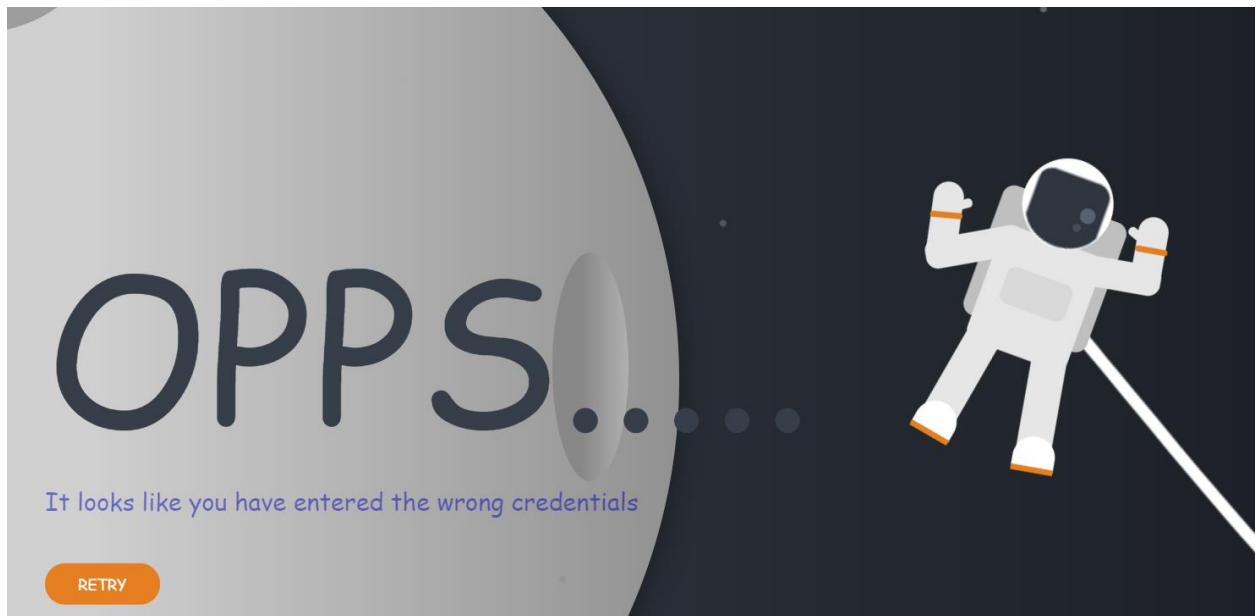
New account creation landing page



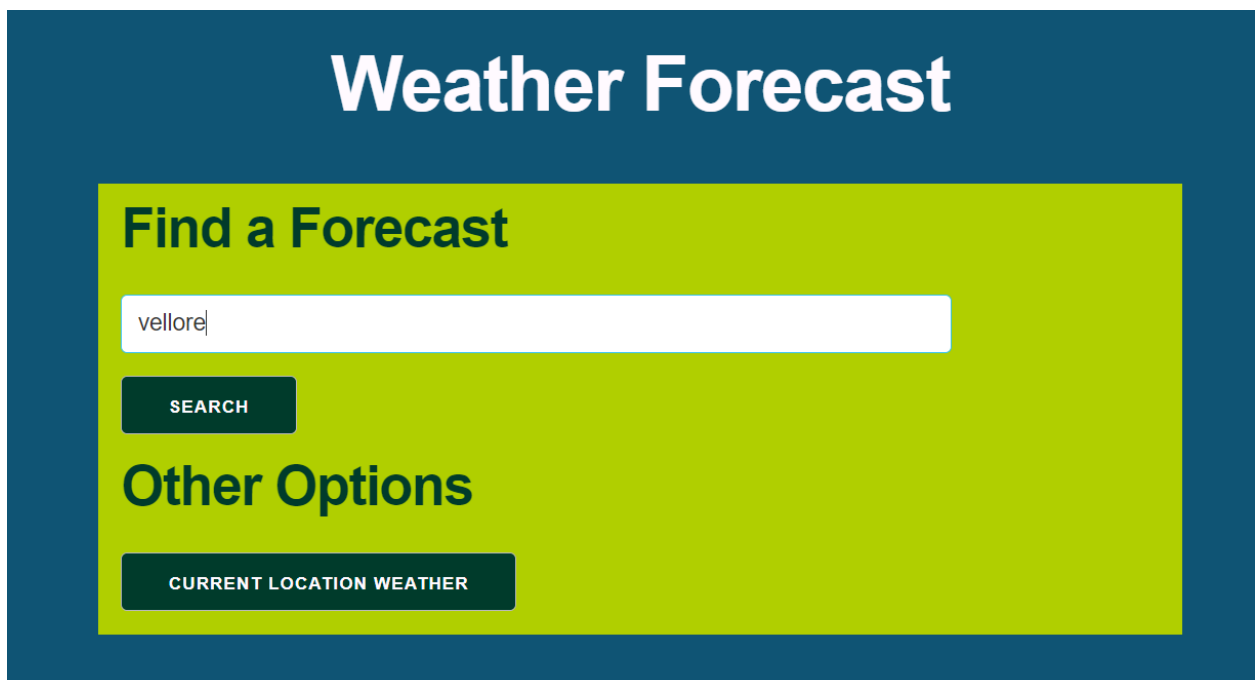
Error message page

An account login landing page with a light blue background. A white rectangular area contains the login form. The title 'ACCOUNT LOGIN' is written in bold, blue, uppercase letters. Below the title, the word 'EMAIL' is written in a small, grey, uppercase font, followed by a light grey rectangular input field. Below the input field, the word 'PASSWORD' is written in a small, grey, uppercase font, followed by another light grey rectangular input field. At the bottom of the form, there is a blue rectangular button with the text 'LOG IN' in white, uppercase letters. A vertical blue bar is located on the right side of the white form area.

Account login landing page



Error message page



User account home page

```
// 20210429153841
// http://localhost:3000/result

{
  "coord": {
    "lon": 79.1333,
    "lat": 12.9333
  },
  "weather": [
    {
      "id": 800,
      "main": "Clear",
      "description": "clear sky",
      "icon": "01d"
    }
  ],
  "base": "stations",
  "main": {
    "temp": 38.14,
    "feels_like": 38.12,
    "temp_min": 38.14,
    "temp_max": 38.14,
    "pressure": 1006,
    "humidity": 25,
```

JSON formatted result of predicted weather

```
// 20210429153915
// http://localhost:3000/result/ip_location_weather

{
  "coord": {
    "lon": 86.1833,
    "lat": 22.8
  },
  "weather": [
    {
      "id": 721,
      "main": "Haze",
      "description": "haze",
      "icon": "50d"
    }
  ],
  "base": "stations",
  "main": {
    "temp": 41,
    "feels_like": 40.83,
    "temp_min": 41,
    "temp_max": 41,
    "pressure": 1005,
    "humidity": 20
  }
}
```

Current location weather prediction via GPS

```
mysql> use weatherapp;
Database changed
mysql> select * from user;
```

name	email	password	createdAt	updatedAt
abc	abc	\$2b\$10\$.Jyadnyjq.Q8zQI83h8p7e8Qe5ILb.09FFAK/ctvtdglvDyFsygIG	2021-04-26 21:04:37	2021-04-26 21:04:37
asd	asd	\$2b\$10\$7VZdK/06zXTb5s0ETm6FF0iVFelRrLqKzMDLBi..uTCVijDcCcuKM2	2021-04-26 20:40:38	2021-04-26 20:40:38
zxc	zxc	\$2b\$10\$FLTTskWfNnwuipu8EHAP0ecmgXEAaNMVLS.4J9H3HinlLoG0KNpZy	2021-04-28 17:07:53	2021-04-28 17:07:53

```
3 rows in set (0.01 sec)

mysql>
```

User database with encryption of password for security requirements