

Subject code & Name	:	CS381 & Full Stack Development	Practical	:	10	Academic Year	:	2022-2023
ID	:	20CS093	Name	:	Parth Tandel			

Practical – 10

Aim

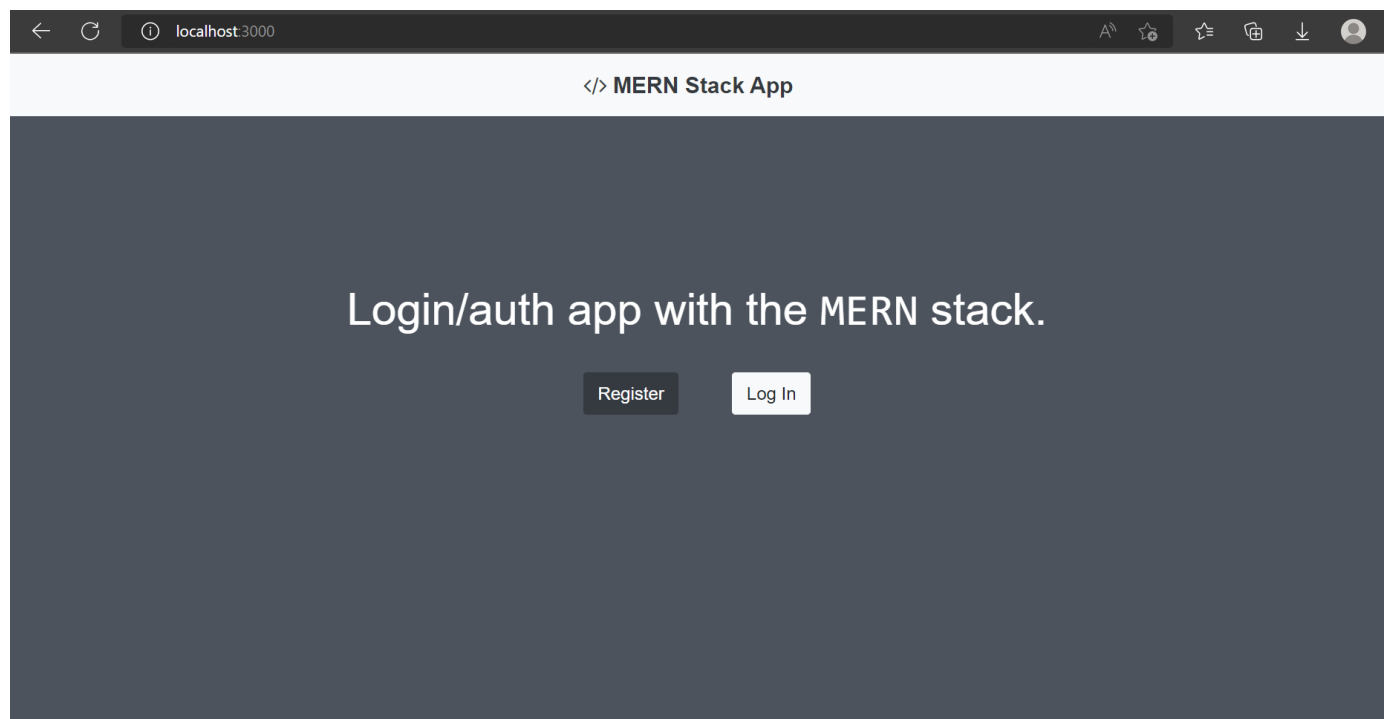
MERN stands for MongoDB, Express, React, Node and these four things added to make the stack. Create a project with this stack and implement Register and Login system for your project.

Code Link (GitHub Links)

Practical- Git-hub Link : <https://github.com/rth1-618/stacking-up/tree/main/pr10>

- App.js: <https://github.com/rth1-618/stacking-up/blob/main/pr10/Registration-and-Login-using-MERN-stack/client/src/App.js>
- client: <https://github.com/rth1-618/stacking-up/tree/main/pr10/Registration-and-Login-using-MERN-stack/client>
- server: <https://github.com/rth1-618/stacking-up/blob/main/pr10/Registration-and-Login-using-MERN-stack/server.js>

Output



Landing Page

The image shows two screenshots. The top screenshot is the ClusterO MongoDB interface. It features a navigation bar with tabs: Overview, Real Time, Metrics, Collections (selected), Search, Profiler, Performance Advisor, and Online Archive. The status bar indicates 'VERSION 5.0.13' and 'REGION AWS Mumbai (ap-south-1)'. Below the navigation bar, it shows 'DATABASES: 0' and 'COLLECTIONS: 0'. A central section titled 'Explore Your Data' includes a list of actions: Find (run queries and interact with documents), Indexes (build and manage indexes), Aggregation (test aggregation pipelines), and Search (build search indexes). There are two buttons: 'Load a Sample Dataset' and 'Add My Own Data'. A chat icon is visible on the right. The bottom screenshot is a web browser window showing a 'MERN Stack App' with a 'Register' form. The form has fields for 'Parth', 'parth@gmail.com', and two password fields (one with '*****'). A 'Sign Up' button is at the bottom, and a link 'Already have an account? Login here' is below it.

ClusterO

VERSION 5.0.13 REGION AWS Mumbai (ap-south-1)

Overview Real Time Metrics **Collections** Search Profiler Performance Advisor Online Archive

DATABASES: 0 COLLECTIONS: 0

VISUALIZE YOUR DATA REFRESH

Explore Your Data

- **Find:** run queries and interact with documents
- **Indexes:** build and manage indexes
- **Aggregation:** test aggregation pipelines
- **Search:** build search indexes

Load a Sample Dataset Add My Own Data

MongoDB Empty

localhost:3000/register

</ MERN Stack App

Back to Home

Register

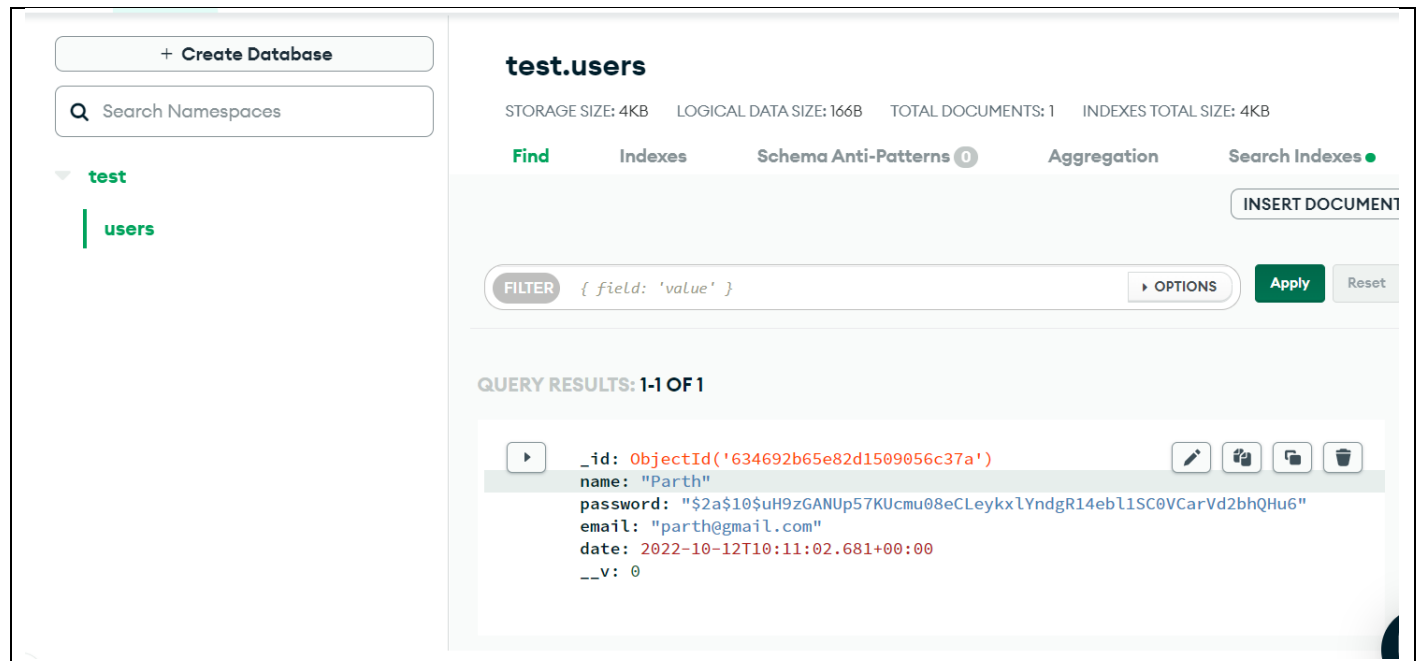
Parth

parth@gmail.com

Sign Up

Already have an account? [Login here](#)

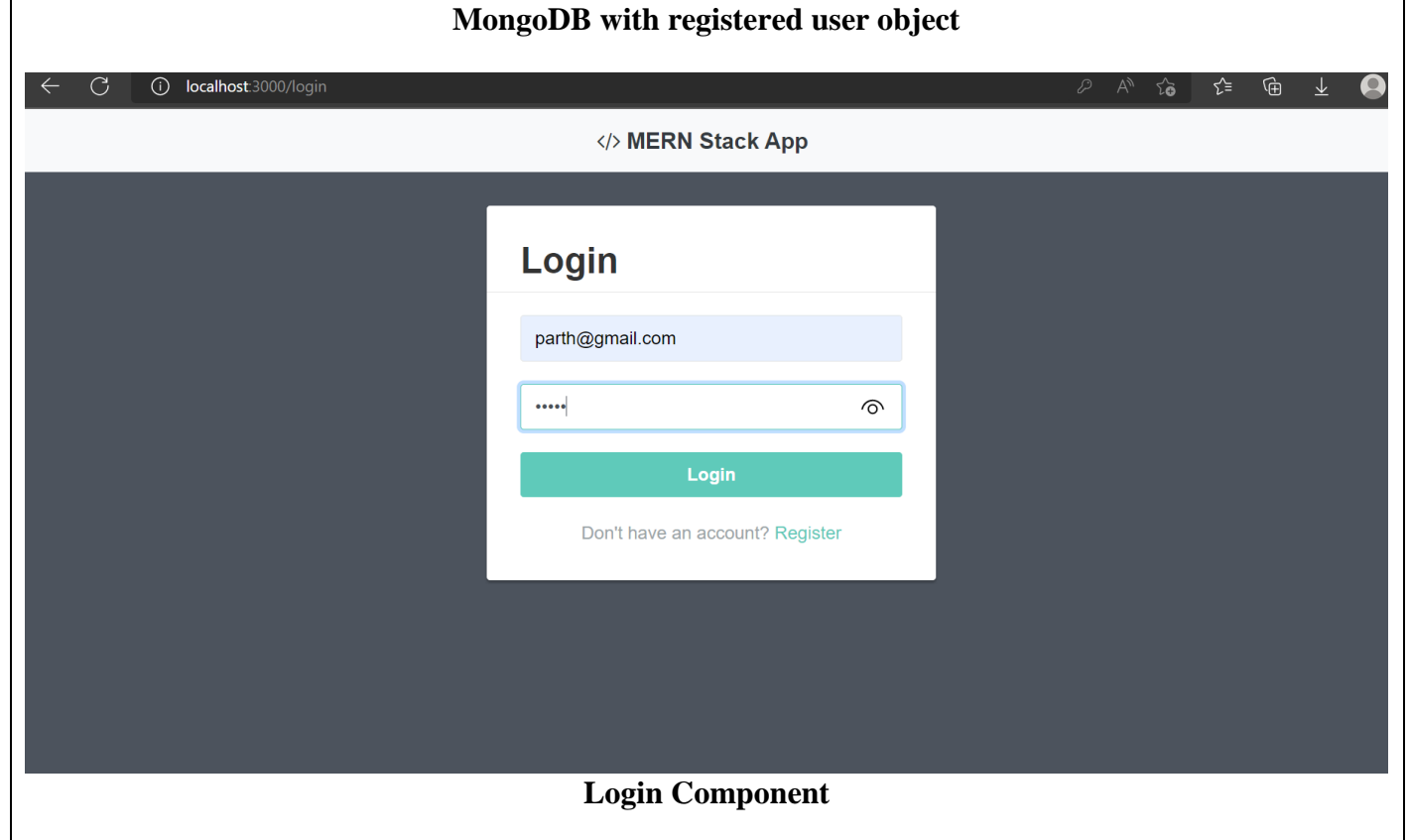
Register Component



The screenshot shows the MongoDB Compass interface. On the left, the 'test' database is selected, and the 'users' collection is highlighted. The main panel displays the 'test.users' collection with a filter of '{ field: 'value' }'. The query results show one document:

```
{
  "_id": ObjectId('634692b65e82d1509056c37a'),
  "name": "Parth",
  "password": "$2a$10$uH9zGANUp57KUcmu08eCLeykxLYndgR14ebl1SC0VCarVd2bhQH6",
  "email": "parth@gmail.com",
  "date": 2022-10-12T10:11:02.681+00:00,
  "__v": 0
}
```

Below the screenshot, the text "MongoDB with registered user object" is displayed.



The screenshot shows a web browser at localhost:3000/login. The page title is "MERN Stack App". The login form has the following fields and buttons:

- Username field: parth@gmail.com
- Password field: masked with dots and a toggle icon
- Login button: green
- Register link: "Don't have an account? Register"

Below the screenshot, the text "Login Component" is displayed.

