

## Testing User Authentication

First, we see the setup of our DB. We have 2 databases: one for users and one for posts.

We see that the users DB is empty, meaning we have no stored users yet.

The screenshot shows the MongoDB Compass interface. On the left, the sidebar lists databases: admin, config, local, moodyApp (which is selected), and posts. Under 'moodyApp', the 'users' collection is selected. The main pane title is 'moodyApp.users'. It displays the following information:

- Documents: 0
- Indexes: 1
- Filter: Type a query: { field: 'value' } or [Generate query](#)
- Add Data: [ADD DATA](#)
- Export Data: [EXPORT DATA](#)
- Buttons: Explain, Reset, Find, Options
- Status: 1 - 0 of 0
- Navigation: Back, Forward, List, Grid, Options

In the center, there is a small icon of a document with a green checkmark. Below it, the text "This collection has no data" is displayed, followed by the note "It only takes a few seconds to import data from a JSON or CSV file." A "Import Data" button is present at the bottom.

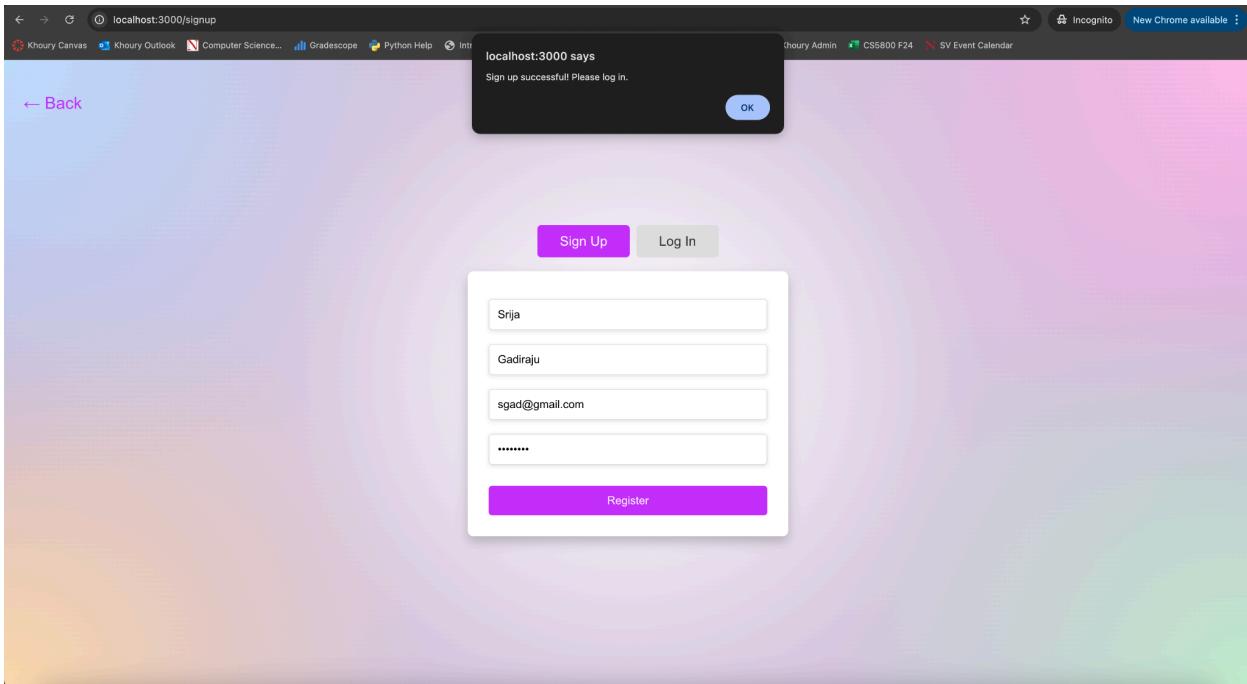
Then, we can go to our sign up page and fill in credentials.

The screenshot shows a web browser displaying a sign-up form. At the top left, there is a "← Back" link. The main content area contains a form with the following fields:

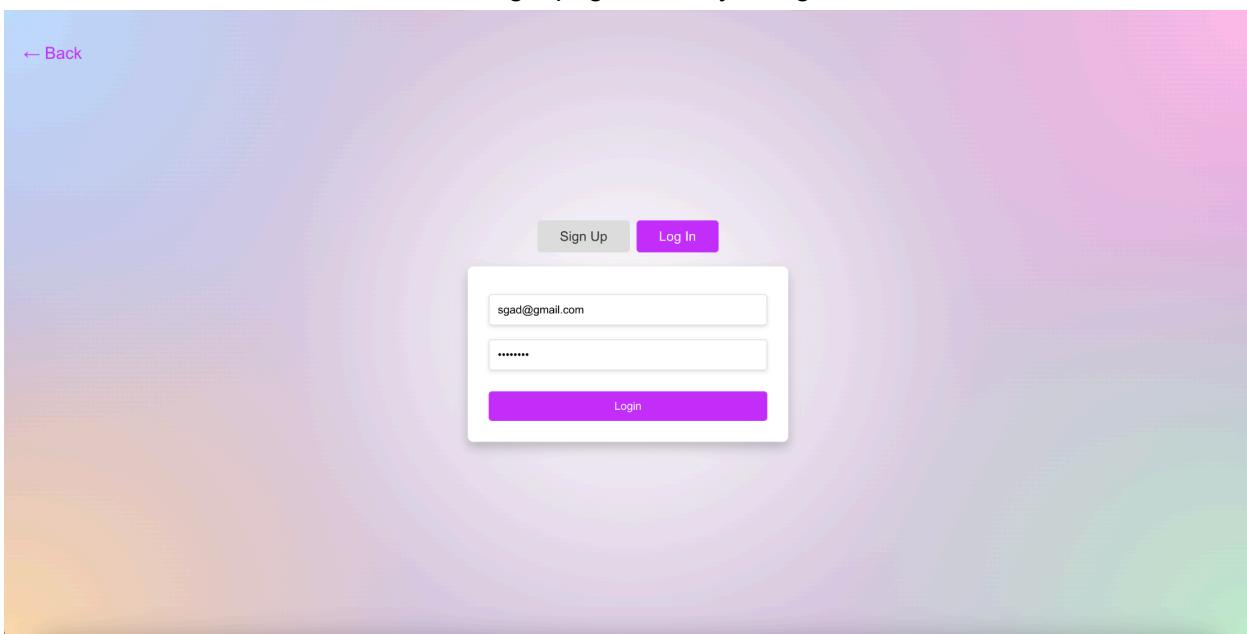
- Name: Srija
- Email: GadiraJu
- Email: sgad@gmail.com
- Password: (redacted)

Below the form are two buttons: "Sign Up" (purple) and "Log In" (gray).

Then, we click Register and get notified that Sign up was successful



The credentials are auto-filled to the Login page for easy navigation for the user.



After clicking Register, we see that the DB has updated with the user information and encrypts the password with Passport for added security. Until the user logs in, they are not able to access any other pages.

The screenshot shows the MongoDB Compass interface connected to a cluster named 'cluster0.iqhgm...'. The database selected is 'moodyApp', and the collection is 'users'. The interface displays a single document with the following fields:

```
_id: ObjectId('6740d353863d8e1df01c2996')
firstName: "Srija"
lastName: "Gadiraju"
email: "sgad@gmail.com"
password: "$2a$10$LZMvodBzpv5MCGLhWcUAOBL68Q1ORpQx8ix0R1vZdYepmu9A8au2"
```

## Community Page Testing

Here is the community page with the posts in the DB.

The screenshot shows a mobile-style application interface titled "Community Posts". At the top right are "Community" and "Log Out" buttons. Below the title is a red "Add Post" button. The main area displays nine cards arranged in three rows of three. Each card has a title, a short description, a "Comments" button, and a "Likes" button. The titles and descriptions are:

- Meditation**: Meditating for 10 minutes each morning brings me peace. (Comments: 30, Likes: 30)
- Journaling**: Writing down my thoughts helps me process my emotions. (Comments: 10, Likes: 10)
- Going for Walks**: Walking daily has improved my mood and mental clarity. (Comments: 16, Likes: 16)
- Pet Therapy**: Playing with my pet always lifts my spirits. (Comments: 50, Likes: 50)
- Practicing Mindfulness**: Being mindful helps me stay in the moment. (Comments: 18, Likes: 18)
- Gardening**: Taking care of plants relaxes me. (Comments: 15, Likes: 15)
- Drinking Herbal Tea**: A cup of tea helps me unwind in the evening. (Comments: 30, Likes: 30)
- Watching Comedy Shows**: Laughing at comedy shows helps me feel better. (Comments: 18, Likes: 18)
- Trying New Recipes**: Cooking new recipes is fun and relaxing. (Comments: 15, Likes: 15)

Users can add a post and fill in the necessary parts. Then they can press Add Post.

The screenshot shows the same "Community Posts" page, but with a modal window open in the center. The modal has a title "Add New Post" and a text input field containing the text "I found that lighting a candle and taking a hot shower really help with relieving stress for me!". At the bottom of the modal are "Add Post" and "Close" buttons. The background shows the same nine posts as the previous screenshot, with their respective comment and like counts.

Once they click Add Post, they are able to see their post on the Community Posts page.

The screenshot shows the Moody app's Community Posts page. At the top right are 'Community' and 'Log Out' buttons. Below is a title 'Community Posts' and a 'Add Post' button. The page displays nine cards representing different activities:

- Stress Relief**: I found that lighting a candle and taking a hot shower really help with relieving stress for me! (Comments: 0, Likes: 0)
- Meditation**: Meditating for 10 minutes each morning brings me peace. (Comments: 0, Likes: 30)
- Journaling**: Writing down my thoughts helps me process my emotions. (Comments: 0, Likes: 10)
- Going for Walks**: Walking daily has improved my mood and mental clarity. (Comments: 0, Likes: 16)
- Pet Therapy**: Playing with my pet always lifts my spirits. (Comments: 0, Likes: 50)
- Practicing Mindfulness**: Being mindful helps me stay in the moment. (Comments: 0, Likes: 18)
- Gardening**: Taking care of plants relaxes me. (Comments: 0, Likes: 0)
- Drinking Herbal Tea**: A cup of tea helps me unwind in the evening. (Comments: 0, Likes: 0)
- Watching Comedy Shows**: Laughing at comedy shows helps me feel better. (Comments: 0, Likes: 0)

The DB is also updated with this post properly.

The screenshot shows the MongoDB Compass interface connected to a cluster. The left sidebar shows databases like 'admin', 'config', 'local', and 'moodysApp'. The 'posts' collection is selected. The main area shows the 'moodyApp.posts' document list with 33 documents and 1 index. One document is expanded to show its details:

```
_id: ObjectId('673a7da5ac0aa1b543a0b3e3')
subject: "s"
message: "g"
likes: 1
comments: Array (1)

_id: ObjectId('6740cb37a16fbdd3acf87d36')
subject: "s"
message: "123"
likes: 1
comments: Array (1)

_id: ObjectId('6740d410863d8e1df01c2997')
subject: "Stress Relief"
message: "I found that lighting a candle and taking a hot shower really help with relieving stress for me!"
likes: 0
comments: Array (empty)
```

Users also have the ability to add comments and likes to posts by clicking comments and typing the comment. Once they click Comment, they are able to see their comment under the post. They are also able to click the Like button to increment the number of likes for that post.

The screenshot shows the Moody app's community feed. At the top right are 'Community' and 'Log Out' buttons. Below is a title 'Community Posts' and an 'Add Post' button. Six posts are displayed in a grid:

- Meditation**: Meditating for 10 minutes each morning brings me peace. Includes a 'Comments' button, a 'Like' button with 30 likes, and a comment input field containing 'Wow! Really cool!' followed by a 'Comment' button.
- Journaling**: Writing down my thoughts helps me process my emotions. Includes a 'Comments' button, a 'Like' button with 10 likes, and a 'Comment' button.
- Going for Walks**: Walking daily has improved my mood and mental clarity. Includes a 'Comments' button, a 'Like' button with 16 likes, and a 'Comment' button.
- Pet Therapy**: Playing with my pet always lifts my spirits. Includes a 'Comments' button, a 'Like' button with 50 likes, and a 'Comment' button.
- Practicing Mindfulness**: Being mindful helps me stay in the moment. Includes a 'Comments' button, a 'Like' button with 18 likes, and a 'Comment' button.
- Gardening**: Taking care of plants relaxes me. Includes a 'Comments' button, a 'Like' button with 15 likes, and a 'Comment' button.

Once they click Comment and the Like button, they are able to see their comment and updated like number for that post.

The screenshot shows the same community feed as above, but the first post now reflects a comment and a higher like count:

- Meditation**: Meditating for 10 minutes each morning brings me peace. The 'Comments' button is now greyed out. The 'Like' button shows 31 likes. The comment input field now contains 'Add a comment...' and the 'Comment' button is visible.
- Journaling**, **Going for Walks**, **Pet Therapy**, **Practicing Mindfulness**, and **Gardening** remain unchanged from the previous screenshot.

The DB also updates to account for the new comment and like accordingly (post started with 30 likes and 1 comment). It now has 31 likes and 2 comments.

MongoDB Compass - cluster0.iqhgm.mongodb.net/moodyApp.posts

cluster0.iqhgm....

My Queries

Databases

Search

Documents

moodyApp.posts

33 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Indexes Validation

Filter Type a query: { field: 'value' } or [Generate query](#)

EXPLAIN Reset FIND Options

ADD DATA EXPORT DATA

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Document View Edit Delete

Document View Edit Delete

Document View Edit Delete

**Document 1:**

```
_id: ObjectId('6734ed50102480b05aeff2c6')
id: 3
subject: "Meditation"
message: "Meditating for 10 minutes each morning brings me peace."
likes: 31
comments: Array (2)
  > 0: Object
    > 1: Object
      text: "Wow! Really cool!"
```

**Document 2:**

```
_id: ObjectId('6734ed50102480b05aeff2c8')
id: 5
subject: "Journaling"
message: "Writing down my thoughts helps me process my emotions."
likes: 10
comments: Array (1)
```

**Document 3:**

```
_id: ObjectId('6734ed50102480b05aeff2c4')
id: 1
subject: "Going for Walks"
message: "Walking daily has improved my mood and mental clarity."
```

> MONGOSH