Final Report on Minor Project

Event Photos Sharing SYSTEM

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Project Report: Event Photo Sharing

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Welcome to our innovative platform, **EventShare**, where memories are made more accessible and communal. Our project is designed to revolutionize the way event photography is shared and enjoyed. With EventShare, users can effortlessly **upload photos** from their personal milestones and grant access to others who shared the same experience.
Whether it's a wedding, a concert, or a corporate event, our platform ensures that every participant can contribute to the collective memory of the occasion. By creating a shared space, EventShare allows for a seamless exchange of visuals, fostering a sense of community and connection among all attendees.

Our intuitive interface simplifies the process of uploading and managing images, while robust privacy settings ensure that access is exclusive to the event's community. Join us in creating a tapestry of shared experiences, where every photo tells a story and every story brings us closer together.

1.1 **Background**

The report provides a comprehensive overview of our event photo sharing platform, detailing its development through full-stack technologies. The platform was designed to facilitate seamless photo sharing among attendees, with key features including photo uploading and commenting. Our team utilized HTML, CSS, and JavaScript for the frontend, coupled with backend technologies for server-side logic. The system architecture was carefully planned to ensure scalability and efficiency, with components such as the frontend interface, backend server, and database working in harmony. Throughout the development process, we faced challenges that were effectively addressed, thanks to our agile methodology. Testing was a crucial phase, and we employed various strategies to ensure the platform's functionality and performance. Looking ahead, there are opportunities for future improvements based on user feedback and emerging technologies. Overall, this report not only highlights the achievements of our project but also serves as a roadmap for potential enhancements in the future.

1.2 Objectives

The objective of the event photo sharing project is to create a centralized platform where attendees can easily upload, share, and access photos captured during the event. The goal is to enhance the overall event experience by providing a seamless and efficient way for participants to relive and reminisce about the event through photos. Additionally, the project aims to facilitate collaboration and community building among event attendees by enabling them to share their perspectives and memories captured through photographs.

1.3 Scope of the Project

The scope of the project encompasses the development of an event photo sharing platform, focusing on functionality for users to upload, share, and comment on photos. The platform includes features for different user roles, such as event organizers, attendees, and administrators, each with specific permissions and access levels. The frontend is designed to provide an intuitive user interface, allowing users to easily navigate and interact with the platform. The backend is responsible for handling user authentication, data storage, and processing user actions, ensuring the platform's smooth operation. The project's scope also includes testing to ensure the platform's functionality, security, and performance meet the requirements. Ongoing maintenance and potential future enhancements are considered part of the project's scope, ensuring the platform remains relevant and effective for users.

1.4 Significance of the project

The significance of a daily photo sharing app for helping people lies in its potential to foster connection, support, and engagement among users. Such an app could serve as a platform for sharing moments of joy, seeking advice, or simply staying connected with friends and family. It can be particularly meaningful for individuals who may be isolated or in need of emotional support, providing a virtual community where they can feel heard and supported. Additionally, the app could have practical applications, such as sharing information about local events, recommendations for services, or even safety updates in times of need. Overall, a photo sharing app designed for daily help has the potential to enrich people's lives by creating a supportive and interactive community that transcends physical boundaries.

2. System Architecture

Frontend Interface: This is the user-facing part of the system where attendees interact with the platform. It includes features for uploading photos, browsing photos, liking the image and commenting on it.

Backend Server: The backend server manages data storage, processing, and retrieval. It handles user authentication, photo uploads, database operations, and communication with other system components.

Database: The database stores all relevant data, including user profiles, photo metadata, event information, and access permissions. It should be designed for scalability, reliability, and efficient querying.

Image Processing Module: This module handles tasks such as resizing, cropping, and optimizing images for display on various devices and screen sizes.

Content Delivery Network (CDN): A CDN improves the performance and reliability of photo delivery by caching and serving images from edge servers located closer to users. This reduces latency and bandwidth usage.

Security Measures: Implement security measures such as encryption, access control.

APIs and Integrations: APIs enable integration with third-party services and applications. These integrations enhance functionality and expand the platform's capabilities.

Technologies Used

Frontend Technologies:

- HTML/CSS/JavaScript/React: Standard web development technologies used for building the user interface of the BLMS.

Backend Technologies:

- **Programming Languages:** Languages like Node.js are commonly used for developing the backend logics.
- **Web Frameworks:** Express.js (Node.js) provide a structured approach for backend development.
- **Database Management Systems (DBMS):** System like MongoDB and cloudinary is used for storing and managing images data, user information, and other relevant data.

Authentication and Authorization:

- **Authentication Libraries:** Libraries such as Node mailer (Node.js) provide authentication and authorization mechanisms.

Version Control and Collaboration:

- **Version Control Systems:** Git and platforms like GitHub for managing source code, tracking changes, and facilitating collaboration among developers.

Features of the Job Portal

- For a photo-sharing app designed to provide daily help to people, the following features could be considered
- **Photo Upload:** Users can easily upload photos from their devices
- **Caption and Tagging:** Users can add captions to their photos to provide context.
- **Commenting and liking:** Users can leave comments on photos and like them to show appreciation.
- Each user has a profile where they can showcase their photos
- **Integration with Social Media:** Users can easily share their photos from the app to other social media platforms, increasing their reach.
- These features can make the app a valuable tool for people looking to share moments from their daily lives and connect with others in meaningful ways.

Testing and Quality and Assurance

- **Testing Phases:** Employ comprehensive testing, including unit, integration, system, and user acceptance testing, to verify functionality and performance.
- **Functional Testing:** Ensure all features like photo uploads, browsing, liking and commenting as intended

- **Performance Testing:** Assess platform performance under various loads to prevent slowdowns or crashes.

- **Usability Testing:** Gather feedback on ease of use and user experience to improve the interface.

- **Compatibility Testing:** Verify consistent performance across different devices, browsers, and operating systems.

Challenges Faced

Developing a photo sharing app for daily help of people poses several unique challenges. One of the primary challenges is ensuring the app's usability and accessibility for a wide range of users, including those with varying levels of technical proficiency. This requires designing an intuitive user interface that is easy to navigate and understand, as well as providing adequate support and documentation for users who may need assistance.

Another challenge is managing the large volume of photos that users are likely to upload and share. This involves implementing efficient storage and retrieval mechanisms to ensure that photos are uploaded and displayed quickly and that the app remains responsive even as the number of photos grows.

Additionally, ensuring the security and privacy of user data is critical for a photo sharing app. This includes implementing robust authentication and authorization mechanisms to prevent unauthorized access to user accounts and photos, as well as implementing measures to protect user data from being intercepted or compromised during transmission.

Finally, integrating social features such as commenting and sharing adds another layer of complexity, as these features must be implemented in a way that encourages user engagement while also protecting user privacy and ensuring that the app remains easy to use.

Future Enhancements

Enhancing a photo sharing app to provide daily assistance to users can greatly improve its utility and user engagement. By integrating AI algorithms, the app can offer intelligent suggestions and insights based on the photos users share.

This could include recommending recipes based on food photos, providing instructions for DIY projects, or suggesting activities based on photos of past events. Collaborative features would enable users to work together more effectively, such as by sharing photos of notes or brainstorming sessions.

Additionally, location-based services could help users discover nearby events, services, or points of interest based on the photos they upload. By incorporating health and fitness tracking, the app could analyze meal photos to offer nutritional advice or suggest workout routines. These enhancements would not only make the app more useful in daily life but also increase user engagement and satisfaction.

Conclusion

As we bring the curtain down on **EventShare**, we reflect on a journey that has redefined the essence of shared experiences. Our platform has successfully bridged the gap between individual memories and collective storytelling, creating a vibrant community of shared moments.

Through EventShare, attendees from various events have been able to upload their snapshots, weaving together a rich tapestry of perspectives that celebrate the diversity and uniqueness of each event. The ease of access and the joy of reliving shared experiences have not only strengthened bonds but also created a repository of timeless memories.

As we conclude, we take pride in the connections fostered, the stories told, and the memories preserved. EventShare stands as a testament to the power of community and the enduring value of shared experiences. We look forward to seeing how future communities will continue to build upon this foundation, enriching the narrative of human connections one photo at a time.

Code Snippets

```
                sx={{ mt: 3, mb: 2 }}
              >
                Sign In
              </Button>
              <Grid container>
                <Grid item xs>
                  <Link href="/forgotpassword" variant="body2">
                    Forgot password?
                  </Link>
                </Grid>
                <Grid item>
                  <Link href="/signup" variant="body2">
                    {"Don't have an account? Sign Up"}
                  </Link>
                </Grid>
              </Grid>
              <Copyright sx={{ mt: 5 }} />
            </Box>
          </Box>
        </Grid>
      </Grid>
    </ThemeProvider>
  );
```

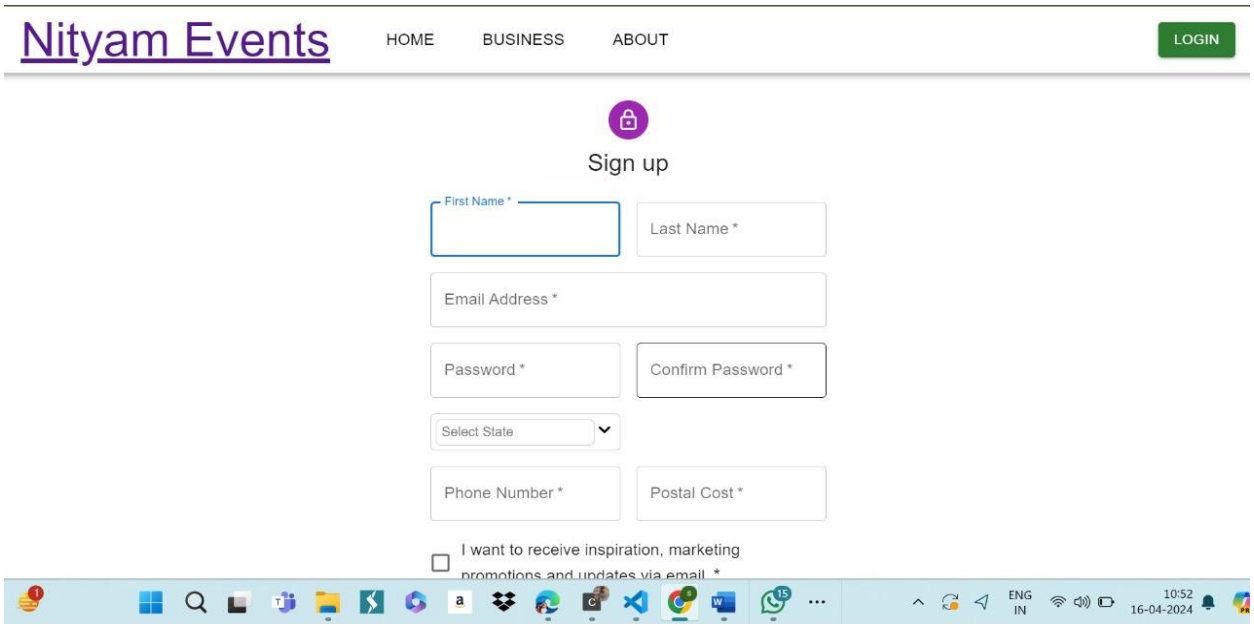
```
const Signup = () => {
  const [stateid, setStateId] = useState(null);

  const dispatch = useDispatch();
  const navigate = useNavigate();
  const [formData, setFormData] = useState({
    firstName: "",
    lastName: "",
    state: "",
    city: "",
    phoneNumber: "",
    postalCost: "",
    password: "",
    confirmPassword: "",
    email: "",
    community:"",
  });
```

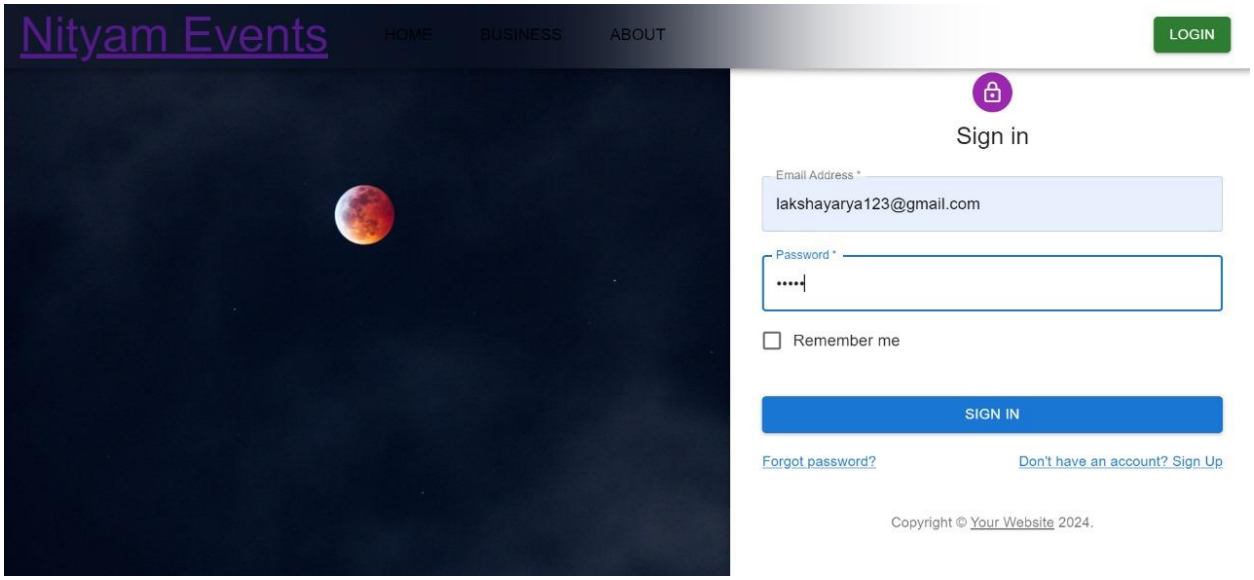
```
try {
  console.log("yahan tak sahi h");
  const response=await apiConnector('POST',endpoints.SIGNUP_API,{
  firstName,
  lastName,
  email,
  password,
  confirmPassword,
  phoneNumber,
  state,
  city,
  community,
  postalCost,
  otp,
  navigate,
  });
```

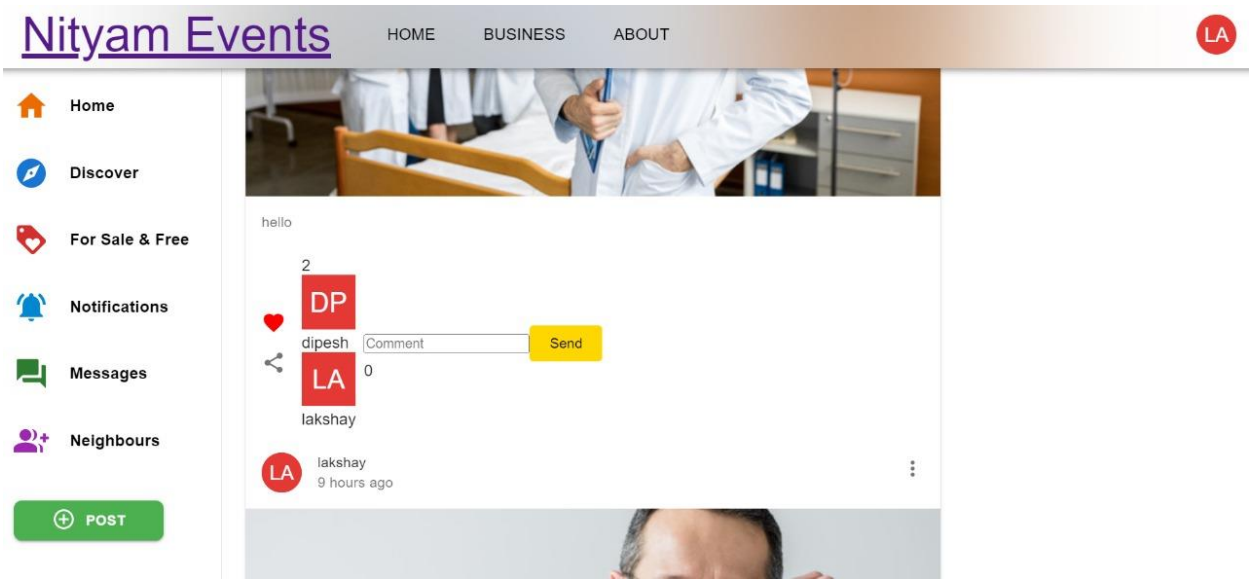
```
export const likePost = async (postId, token, dispatch) => {
    try {
      const response = await apiConnector("POST", postEndpoints.SET_LIKE, { postId }, {
        Authorization: `Bearer ${token}`,
      });

      const updatedLikes = response.data;
      console.log(updatedLikes,"reduxxx")
      dispatch(setPosts(updatedLikes)); // Update posts with updated likes
    } catch (error) {
      console.error("Error liking post:", error);
      toast.error("Error liking post");
      throw error;
    }
  };
```

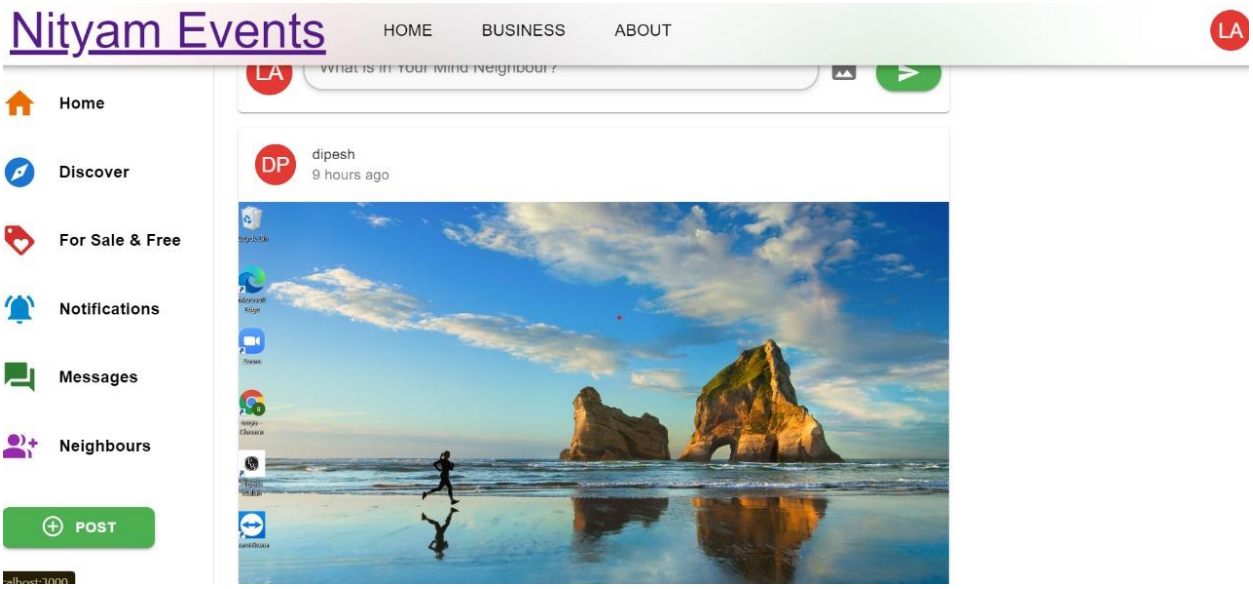
```
function App() {
  return (

    <div>
        {/* <ChatPage/> */}
        <Navbar />

 <Routes>
 {/* route set for home page */}
 <Route path="/" element={
  <OpenRoute>
    <Home />
  </OpenRoute>
} />


<Route path="/login" element={
  <OpenRoute>
    <Login />
  </OpenRoute>
} />
```

Project Snippets






Nityam Events
HOME
BUSINESS
ABOUT
LA
Home
Discover
For Sale & Free
Notifications
Messages
Neighbours
POST
hello
2
DP
dipesh
Comment
Send
LA
0
lakshay
LA
lakshay
9 hours ago


Nityam Events
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Discover
For Sale & Free
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Messages
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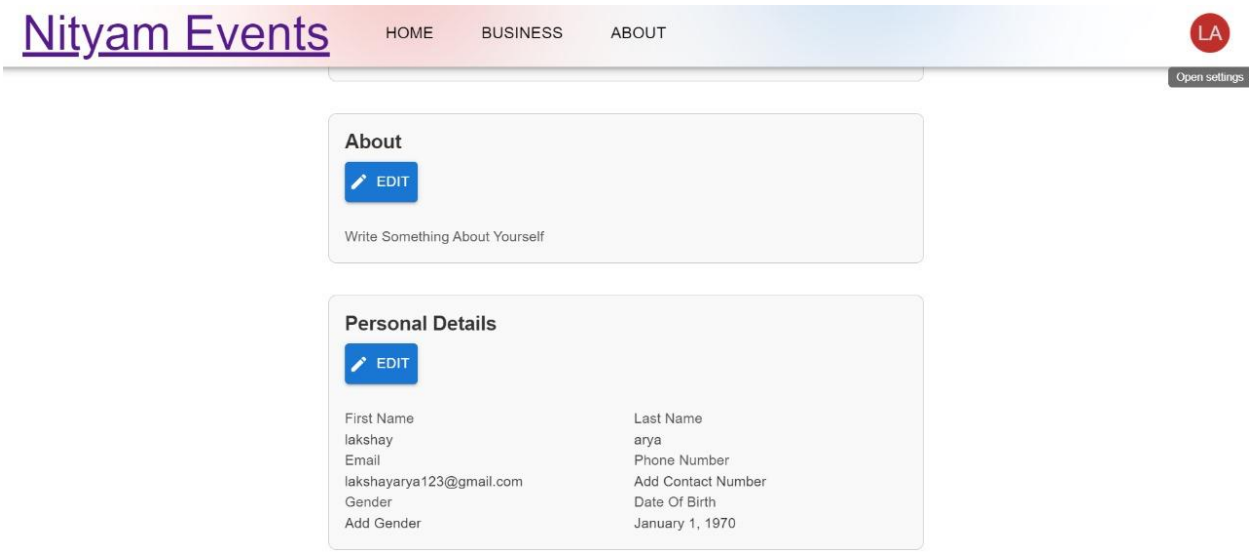
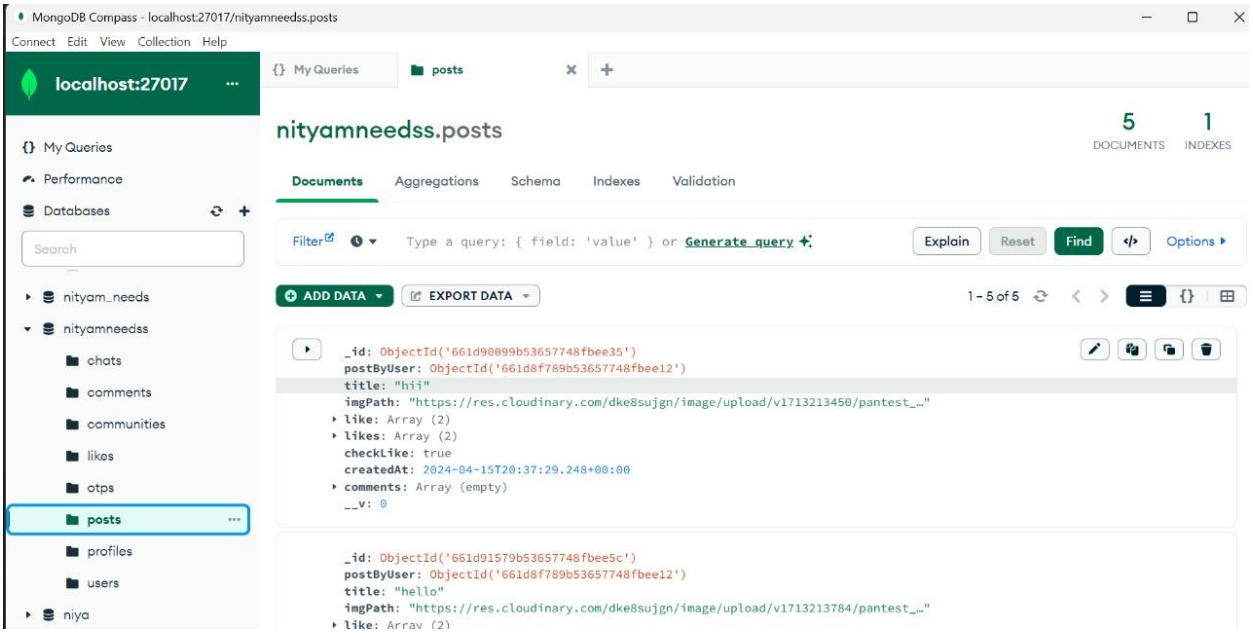
9 hours ago


Nityam Events
HOME
BUSINESS
ABOUT
LA
Open settings
About
EDIT
Write Something About Yourself
Personal Details
EDIT
First Name
lakshay
Last Name
arya
Email
lakshayarya123@gmail.com
Phone Number
Add Contact Number
Gender
Add Gender
Date Of Birth
January 1, 1970


MongoDB Compass - localhost:27017/nityamneedss.posts
Connect Edit View Collection Help
localhost:27017
My Queries
Performance
Databases
Search
nityam_needs
nityamneedss
chats
comments
communities
likes
otps
posts
profiles
users
niya
My Queries
posts
nityamneedss.posts
5 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
1 - 5 of 5
_id: ObjectId('661d90099b53657748fbee35')
postByUser: ObjectId('661d8f789b53657748fbee12')
title: "hii"
imgPath: "https://res.cloudinary.com/dke8sujgn/image/upload/v1713213450/pantest_..."
like: Array (2)
likes: Array (2)
checkLike: true
createdAt: 2024-04-15T20:37:29.248+00:00
comments: Array (empty)
__v: 0
_id: ObjectId('661d91579b53657748fbee5c')
postByUser: ObjectId('661d8f789b53657748fbee12')
title: "hello"
imgPath: "https://res.cloudinary.com/dke8sujgn/image/upload/v1713213784/pantest_..."
like: Array (2)

References

- YouTube is used for some knowledge.
- Google is used for reading node.js, express.js etc. documentation in Medium.