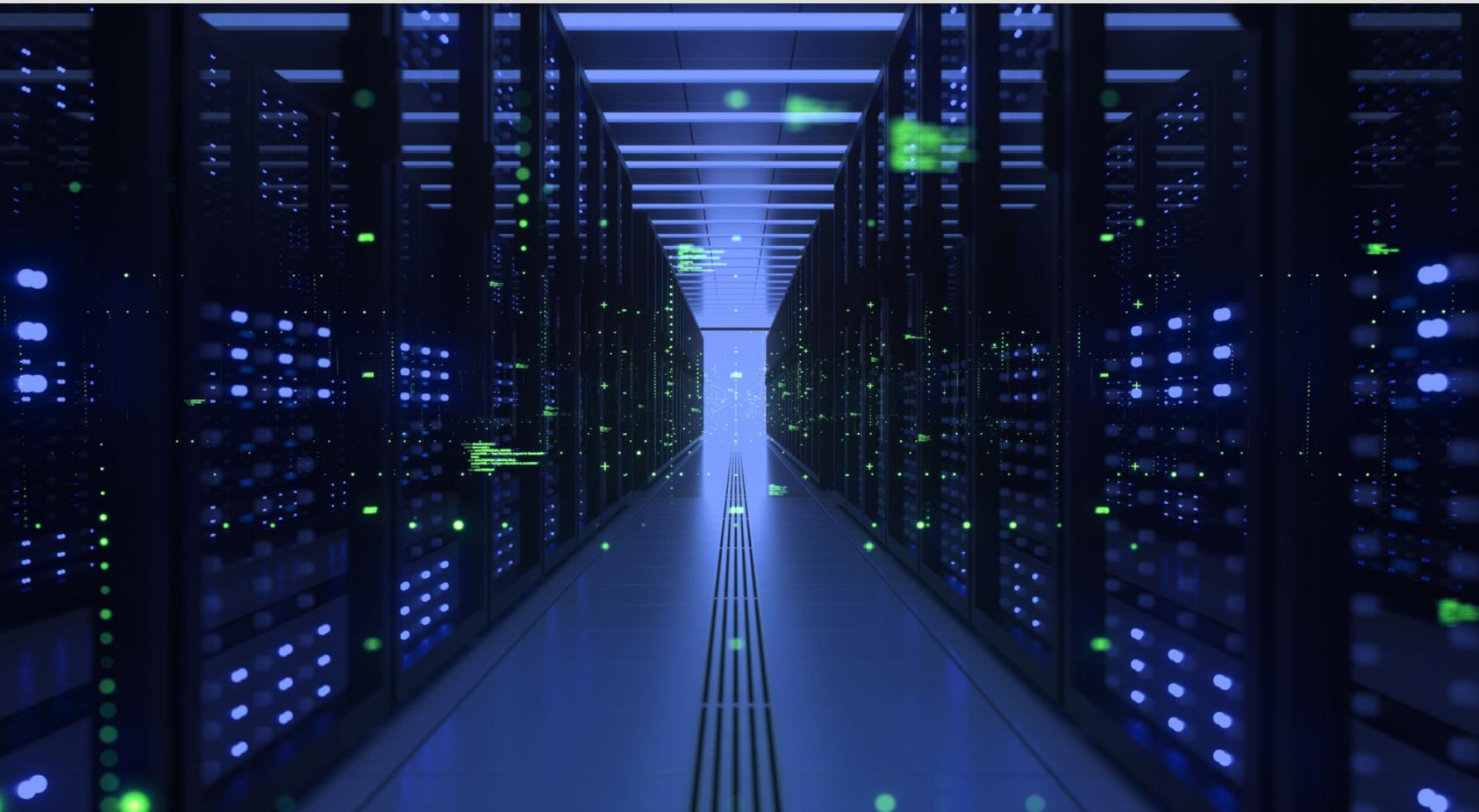


Log-in by Password And

Group 10 - 6487095

Key Stroke Dynamic



Goal

พัฒนาโปรแกรมที่สามารถแสดงหน้าจอการเข้าสู่ระบบเพื่อทำ authentication โดยใช้ทิ้งรหัสผ่านและรูปแบบการพิมพ์ (key stroke dynamic)

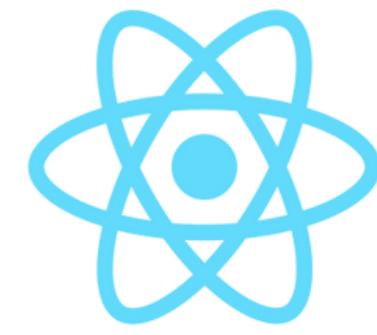
JS



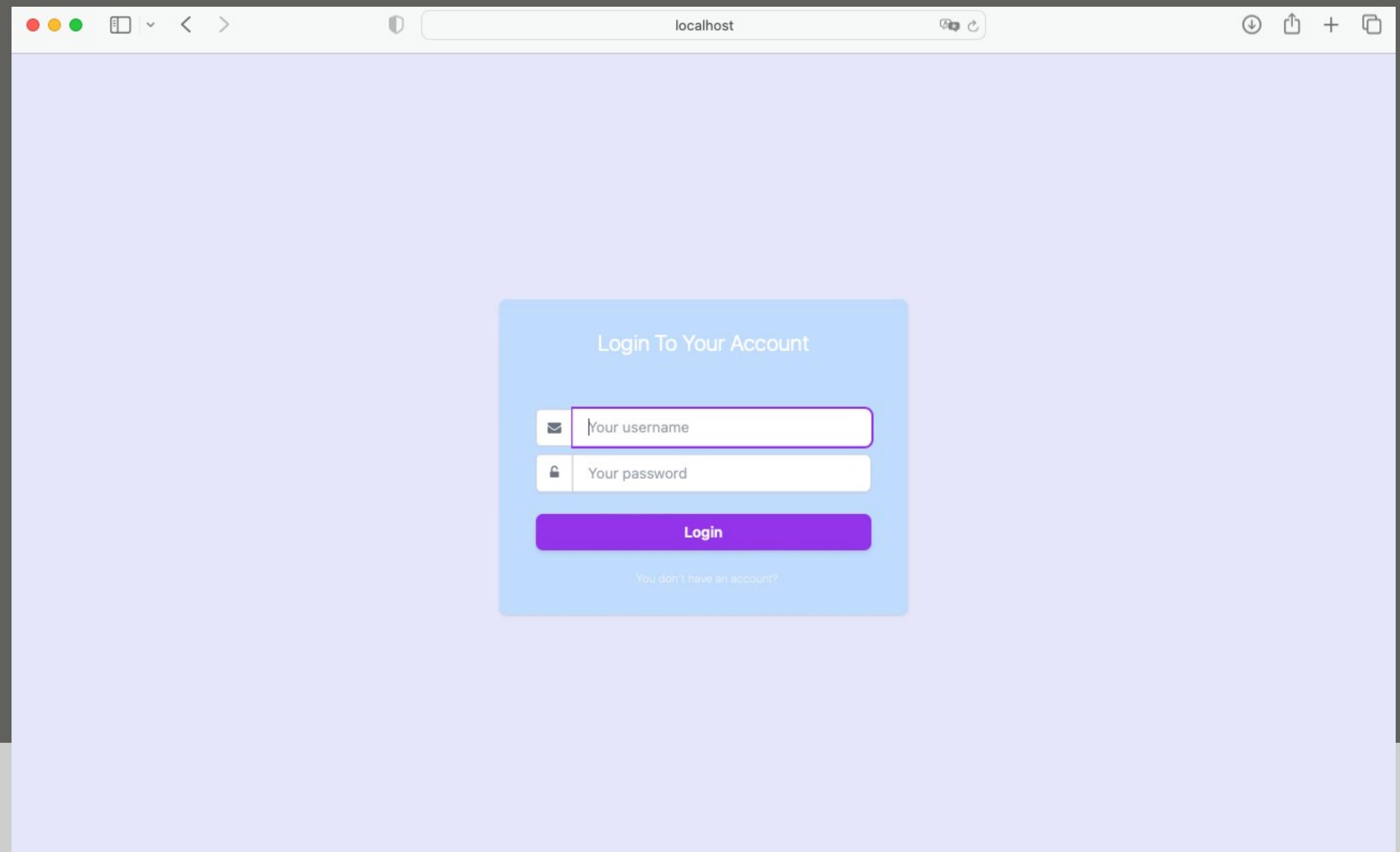
TOOLS



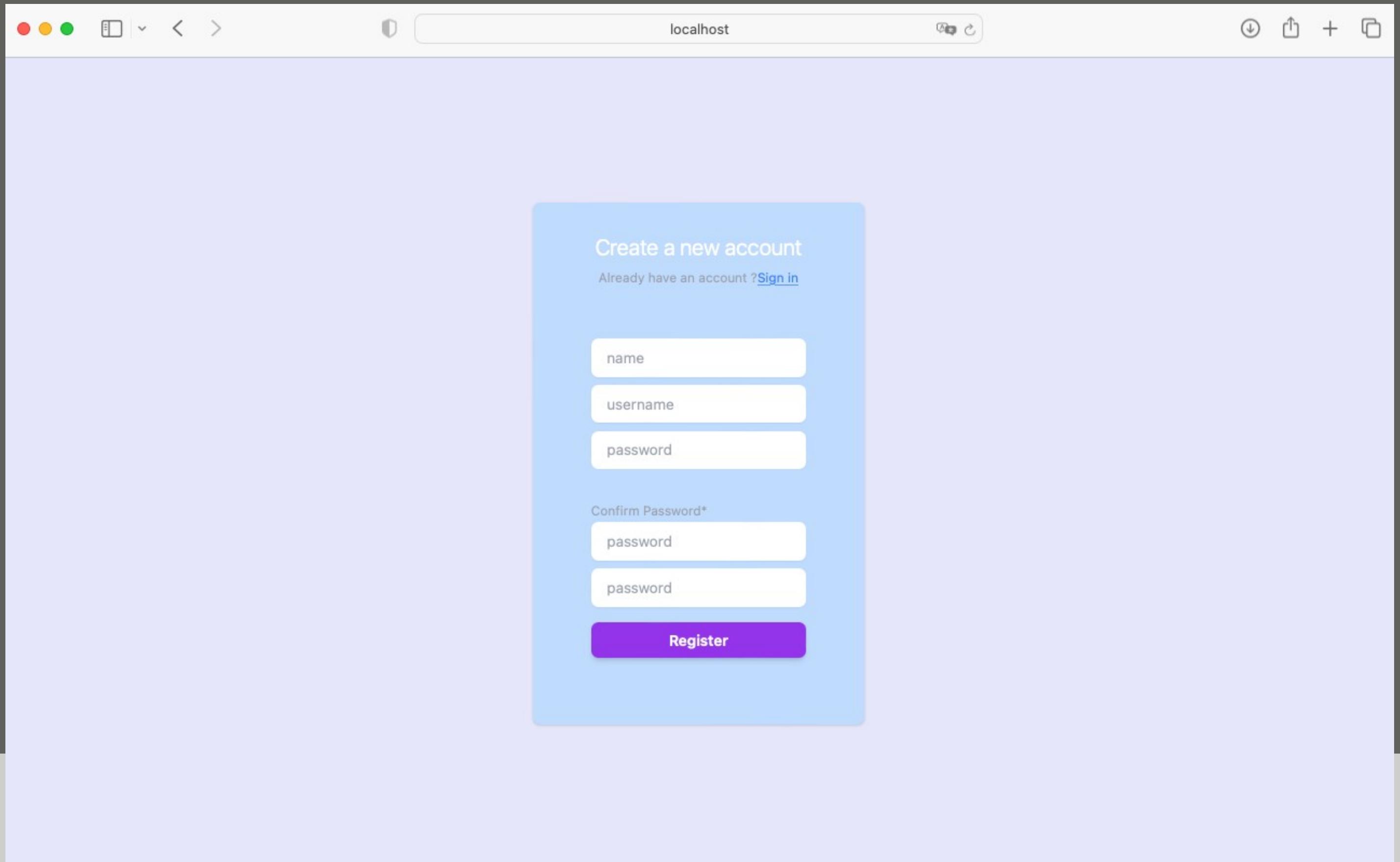
AXIOS



LOGIN PAGE



REGISTER PAGE



DATA BASE

Atlas SIRAVIT's Org... Access Manager Billing All Clusters Get Help SIRAVIT

Project 0 Data Services App Services Charts

DEPLOYMENT Database

✓ Current IP Address (58.11.39.120/32) added! Visit [Network Access](#) to modify your settings.

SIRAVIT'S ORG - 2023-04-23 > PROJECT 0

Database Deployments

Find a database deployment...

+ Create FREE SHARED

Cluster0 Connect View Monitoring Browse Collections ...

Enhance Your Experience R 0 W 0 For production throughput and richer metrics, upgrade to a dedicated cluster now!

Upgrade

Connections 11.0 In 45.8 B/s Out 632.8 B/s Data Size 36.4 KB

Last 6 hours Last 6 hours Last 3 days

0.05/s 11.0 716.7 B/s 512.0 MB

New On Atlas 1 Goto

VERSION	REGION	CLUSTER TIER	TYPE	BACKUPS	LINKED APP SERVICES	ATLAS SQL	ATLAS SEARCH
6.0.5	AWS / N. Virginia (us-east-1)	M0 Sandbox (General)	Replica Set - 3 nodes	Inactive	data	Connect	Create Index

DATA BASE

MongoDB Compass - cluster0.xqckdgk.mongodb.net/test.users

cluster0.xqckdg... test.users +

My Queries Databases Search

test.users

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options ▾

ADD DATA EXPORT COLLECTION 1 - 3 of 3 ⏪ ⏩ ⌂ ⌂ ⌂

`_id: ObjectId('6447a7ccb433f2904ee27539')
name: "ray"
username: "siravit"
password: "ray11111"
userbiokey: 200
Threshold: 20
__v: 0`

`_id: ObjectId('6447a815b433f2904ee2753c')
name: "mind"
username: "mindnapat"
password: "mind192116"
userbiokey: 200
Threshold: 20
__v: 0`

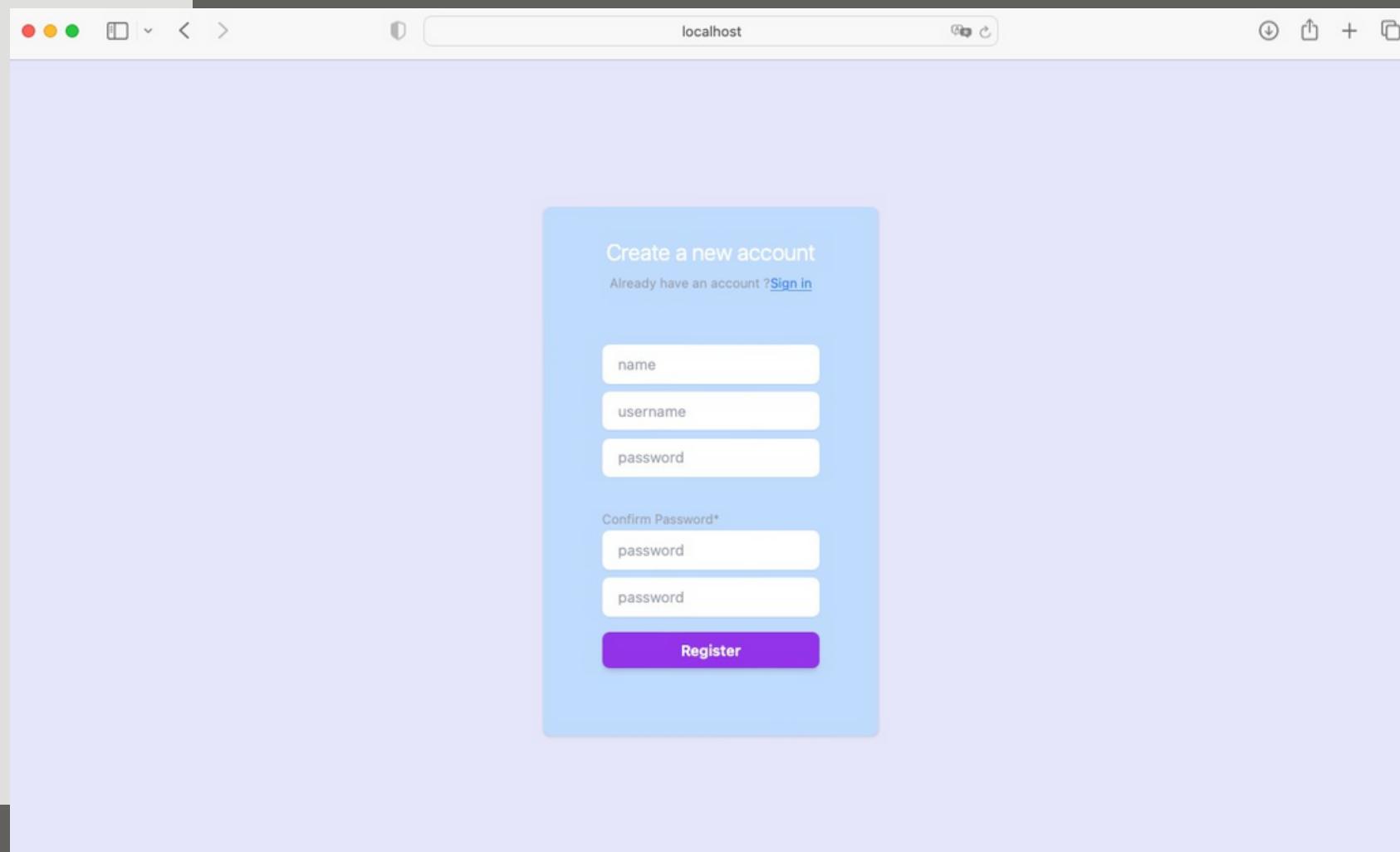
`_id: ObjectId('644809e4e939d9ae94f645a8')
name: "mint"
username: "mintza007"
password: "mindmint123"
userbiokey: 200
Threshold: 30
__v: 0`

2 1 DOCUMENTS INDEXES

The screenshot shows the MongoDB Compass interface connected to a cluster. The left sidebar lists databases: admin, local, oplog.rs, and test. The test database is selected, and its users collection is highlighted. The main pane displays the 'Documents' tab for the test.users collection, which contains three documents. Each document is represented by a card showing its _id, name, username, password, userbiokey, Threshold, and __v fields. The documents are: 1. _id: ObjectId('6447a7ccb433f2904ee27539'), name: "ray", username: "siravit", password: "ray11111", userbiokey: 200, Threshold: 20, __v: 0. 2. _id: ObjectId('6447a815b433f2904ee2753c'), name: "mind", username: "mindnapat", password: "mind192116", userbiokey: 200, Threshold: 20, __v: 0. 3. _id: ObjectId('644809e4e939d9ae94f645a8'), name: "mint", username: "mintza007", password: "mindmint123", userbiokey: 200, Threshold: 30, __v: 0. The top right corner indicates there are 2 documents and 1 index.

Register

Database



localhost

Create a new account

Already have an account? [Sign in](#)

name

username

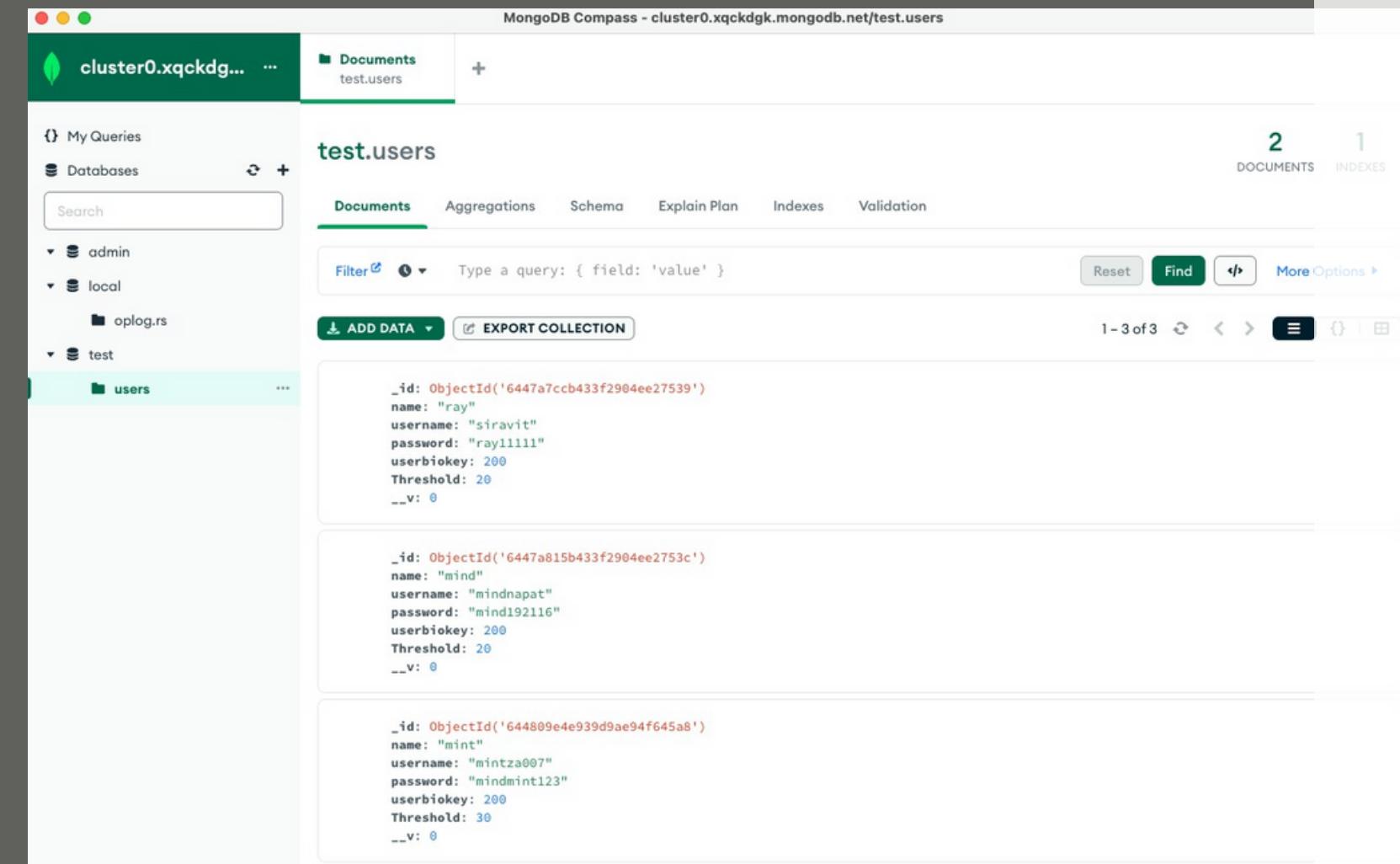
password

Confirm Password*

password

password

Register



MongoDB Compass - cluster0.xqckdgk.mongodb.net/test.users

cluster0.xqckdg... ... Documents test.users +

My Queries Databases

Search

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' }

ADD DATA EXPORT COLLECTION

1 – 3 of 3

2 DOCUMENTS 1 INDEXES

Reset Find More Options

test.users

admin local oplog.rs test users ...

`_id: ObjectId('6447a7ccb433f2904ee27539')
name: "ray"
username: "siravit"
password: "ray1111"
userbiokey: 200
Threshold: 20
__v: 0`

`_id: ObjectId('6447a815b433f2904ee2753c')
name: "mind"
username: "mindnapat"
password: "mind192116"
userbiokey: 200
Threshold: 20
__v: 0`

`_id: ObjectId('644809e4e939d9ae94f645a8')
name: "mint"
username: "mintza007"
password: "mindmint123"
userbiokey: 200
Threshold: 30
__v: 0`

```

server > JS index.js > ⌂ register
 1  const express = require("express");
 2  const app = express();
 3  const mongoose = require("mongoose");
 4  const iService = require("./iservice");
 5
 6  const cors = require("cors");
 7
 8  app.use(express.json());
 9  app.use(cors());
10
11 // connection to the cluster
12 mongoose.connect(
13   "mongodb+srv://adminray:ray1111@cluster0.xqckdgk.mongodb.net/?retryWrites=true&w=majority"
14 );
15
16 app.listen(3001, () => {
17   console.log("SERVER RUNS PERFECTLY!");
18 });
19
20 app.post("/register", register)
21 app.post("/login", login)
22
23 async function login(req, res) {
24   console.log("on searching for username...");
25   const user = await iService.getByUsername(req.body)
26   if (user == null) return res.status(400).json({message: "Please enter a valid Username or Password"})
27
28   if ((user.userbiokey-user.Threshold < req.body.userbiokey) && (user.userbiokey+user.Threshold > req.body.userbiokey)) {
29     return res.json(user)
30   } else {
31     return res.status(400).json({message: "Error: Please enter Password again"})
32   }
33 }
34
35 function register(req, res, next) {
36   console.log("on creating...");
37   iService.create([req.body])
38     .then(() => res.json({}))
39     .catch(err => next(err));
40 }
41
42

```

The screenshot shows the MongoDB Compass interface connected to a cluster. The left sidebar lists databases: admin, local, oplog.rs, and test. The 'test' database is selected, and its 'users' collection is shown in the main pane. The 'Documents' tab is active, displaying three documents:

- Document 1: _id: ObjectId('6447a7ccb433f2904ee27539'), name: "ray", username: "siravit", password: "ray1111", userbiokey: 200, Threshold: 20, __v: 0
- Document 2: _id: ObjectId('6447a815b433f2904ee2753c'), name: "mind", username: "mindnapat", password: "mind192116", userbiokey: 200, Threshold: 20, __v: 0
- Document 3: _id: ObjectId('644809e4e939d9ae94f645a8'), name: "mint", username: "mintza007", password: "mindmint123", userbiokey: 200, Threshold: 30, __v: 0

- Create and Connect MongoDB config IP and Database
- Connecting to MongoDB Compass
- Database Connected

Reference

How to Connect Node.js App to MongoDB

- <https://www.youtube.com/watch?v=bhiEJW5poHU>
- <https://www.youtube.com/watch?v=JLwwQMU6Ru0&t=195s>
- <https://www.youtube.com/watch?v=YT80M8lcTTw&t=595s>
- <https://www.youtube.com/watch?v=xTrjjLX6p-M>

Installing Mongoose on a Node.js environment

- <https://www.section.io/engineering-education/nodejs-mongoosejs-mongodb/>

Register and Login System in MERN Stack

- <https://dev.to/crackingdemon/register-and-login-system-in-mern-stack-1n98>
- <https://levelup.gitconnected.com/handling-errors-in-mongoose-express-for-display-in-react-d966287f573b>