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Task: Mongodb connection
Mongodb Connection Error:connect ECONNREFUSED 127.0.0.1:27017
There was a problem connecting to 127.0.0.12701

indicates that your application is trying to connect to a MongoDB database running on your local machine (127.0.0.1) at port 27017, but the connection is being refused.

Reasons & Solutions:

1. MongoDB Server is Not Running
   The most common reason is that the MongoDB server is not running.

   Solution: Start the MongoDB service using the command:

   ```
   mongod
   ```

2. MongoDB is Running on a Different Port

   - By default, MongoDB runs on 27017, but if you have configured it differently, the application might be trying to connect to the wrong port.

3. MongoDB is Crashed or Not Installed

   - If MongoDB is not installed or has crashed, it won't be able to accept connections.

Solution: Check if MongoDB is installed:

```
mongod --version

sudo systemctl restart mongod
```

4. Multiple MongoDB Instances are Running

   - If multiple MongoDB instances are running, they might conflict.

Solution: Stop all instances and restart MongoDB:

```
sudo systemctl stop mongod
sudo systemctl start mongod
```

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Now this error won't appear and The error occurred because the backend and frontend were running on different ports. Now, I have solved the issue because ,I created a mongodb account on atlas and

i have also connected my compass to my account , so it will run locally without any error ,i followed these steps:

Step 1: Create a MongoDB Atlas Account

1. Go to MongoDB Atlas Website
2. Click on "Start Free" or "Sign Up".
3. Register using your email, Google account, or GitHub.
4. Verify your email (if required).

Step 2: Create a New Cluster

1. Log in to MongoDB Atlas.
2. Click on "Create a Database".
3. Select the cloud provider (AWS, Google Cloud, or Azure).
4. Choose a region (nearest to your location for better performance).
5. Set the cluster name (default: Cluster0 or any custom name).
6. Click "Create Cluster" (Takes a few minutes to set up).

Step 3: Set Up Database Access

1. Once the cluster is created, go to the Database Access section.
2. Click on "Add New Database User".
3. Set a username and password.
4. Click "Create User".

Step 4: Configure Network Access

1. Go to Network Access under "Security".
2. Click on "Add IP Address".
3. Choose:
    - Allow Access from Anywhere: Click "Add 0.0.0.0/0" (for development).
    - Or Add Your IP Address manually.
4. Click Confirm.

Step 5: Connect to MongoDB Atlas

Using MongoDB Compass (GUI)

1. Go to Clusters > Connect > Connect with MongoDB Compass.
2. Download and install MongoDB Compass if not installed.
3. Copy the connection string and paste it into MongoDB Compass.
4. Click Connect.

Using Node.js

1. Go to Clusters > Connect > Connect Your Application.

Select Node.js and copy the connection string:
mongodb+srv://<yourprojectusername>:<yourpassword>@cluster0.xxxxx.mongodb.net/myDatabase?retryWrites=true&w=majority

2. Replace <username>, <password>, and myDatabase with your details.

Install MongoDB package in your project:

npm install mongoose

3.

Create a connection in Node.js:

```
const mongoose = require("mongoose");

mongoose.connect("mongodb+srv://<username>:<password>@cluster0.xxxxx.mongodb.net/myDatabase?retryWrites=true&w=majority", {
    useNewUrlParser: true,
    useUnifiedTopology: true,
})
.then(() => console.log("Connected to MongoDB Atlas"))
.catch(err => console.error("Connection error:", err));
```

Step 6: Verify Connection

- If you see "Connected to MongoDB Atlas", the connection is successful!
- If there is an error, check:
    - Correct username/password

- Network Access