

Training Day 7 Report

Date: 3 July 2025

Topic Covered: Creating the Note Model with Mongoose Schema

On the seventh day of MERN stack training, we created the Mongoose model for storing notes in the MongoDB database. This model will define the structure and rules for our Notes App data.

Understanding Mongoose Models

A Mongoose model is a wrapper around a MongoDB collection that:

- Defines the shape of documents using a **schema**.
- Allows creating, reading, updating, and deleting documents.

Creating the Note Schema

Inside the `backend/models/Note.js` file:

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

const noteSchema = new mongoose.Schema({
  title: { type: String, required: true },
  content: { type: String, required: true },
}, { timestamps: true });

module.exports = mongoose.model('Note', noteSchema);
```

Key points:

- `title` and `content` are required fields.
- `timestamps: true` automatically adds `createdAt` and `updatedAt`.

Outcome of the Day

- Learned how to create a Mongoose schema and model.
- Defined the data structure for storing notes.
- Backend is now ready for building API routes to create and retrieve notes.