**Define Data Models:**

**Create src/models/User.ts:**

import mongoose, { Document, Schema } from 'mongoose';

export interface IUser extends Document {

email: string;

passwordHash: string;

}

const UserSchema: Schema = new Schema({

email: { type: String, required: true, unique: true },

passwordHash: { type: String, required: true }});

export default mongoose.model<IUser>('User', UserSchema);

**Create src/models/Post.ts:**

import mongoose, { Document, Schema } from 'mongoose';

export interface IPost extends Document {

title: string;

content: string;

authorId: mongoose.Types.ObjectId;

createdAt: Date;

}

const PostSchema: Schema = new Schema({

title: { type: String, required: true },

content: { type: String, required: true },

authorId: { type: Schema.Types.ObjectId, ref: 'User', required: true },

createdAt: { type: Date, default: Date.now }

});

export default mongoose.model<IPost>('Post', PostSchema);