32.0 hours

Project 11

Build a Course Rating API With Express

Why can't I submit this project yet?

You must first complete all prior Techdegree content before you can submit this project. Additionally, you cannot submit more than one project at a time.

Submit for Peer Review

Your current activity is [HTML Tables](#).

- [Instructions](#)
- [How you'll be graded](#)

To get a passing grade you'll need to submit a project that meets the following requirements. If your project receives a "Needs Work" rating on any of these tasks, then you'll need to edit your project and re-submit it until it "Meets" or "Exceeds" each task requirement.

	Needs Work	Meets Expectations	Exceeds Expectations
Database connection	- Mongoose is not listed as a dependency in the `package.json` file - No message is written to the console when there's an error connecting to the database - No message is written to the console when the database connection is successfully opened	- Mongoose is listed as a dependency in the `package.json` file - A message is written to the console when there's an error connecting to the database - A message is written to the console when the database connection is successfully opened	N/A

	Needs Work	**Meets Expectations**	**Exceeds Expectations**
User Model	• The user schema is missing or incorrectly declares a property name or type specified in the instructions	• The user schema follows the provided specification: • _id (`ObjectId`, auto-generated) • `fullName` (`String`, required) • `emailAddress` (`String`, required, must be unique and in correct format) • Must have a `password` (`String`, required)	N/A
Course Model	• The course schema is missing or incorrectly declares a property name or type specified in the instructions.	• The course schema follows the provided specification: • _id (`ObjectId`, auto-generated) • user (_id from the `users` collection) • title (`String`, required) • description (`String`, required) • estimatedTime (`String`) • materialsNeeded (`String`) • steps (`Array` of objects that include stepNumber (`Number`), title (`String`, required) and description (`String`, required) properties) • reviews (`Array` of `ObjectId` values, _id values from the `reviews` collection)	N/A
Review Model	• The review schema is missing or incorrectly declares a property name or type specified in the instructions	• The review schema follows the provided specification: • _id (`ObjectId`, auto-generated) • user (_id from the `users` collection) • postedOn (`Date`, defaults to `now`) • rating (`Number`, a number between 1 and 5) • review (`String`)	• Validation added to prevent a user from reviewing their own course

	Needs Work	**Meets Expectations**	**Exceeds Expectations**

User Routes	• One or more of the user routes specified are unavailable or are returning data not formatted as specified.	• All of the following user routes are available and return the following data as specified:
		• `GET /api/users 200` - Returns the currently authenticated user
		• `POST /api/users 201` - Creates a user, sets the `Location` header to "/", and returns no content
			• Tests have been written for the following user story:
			  ○ When I make a request to the GET `/api/users` route with the correct credentials, the corresponding user document is returned
			  ○ When I make a request to the GET `/api/users` route with invalid credentials, a 401 status error is returned

Course Routes	• One or more of the following course routes are unavailable or are returning data not formatted as specified.	• All of the following course routes are available and return the following data as specified: • `GET /api/courses 200` - Returns the Course "_id" and "title" properties • `GET /api/courses/:courseId 200` - Returns all Course properties and related `user` and `review` documents for the provided course ID • `POST /api/courses 201` - Creates a course, sets the `Location` header, and returns no content • `PUT /api/courses/:courseId 204` - Updates a course and returns no content	• Using deep population, only the user's id and fullName are returned for the `user` and `reviews.user` properties on the GET `/api/courses/:courseId` route

	Needs Work	**Meets Expectations**	**Exceeds Expectations**
Validation Errors	• Validation errors from mongoose are not passed to Express • Mongoose Validation errors received by an Express route are not sent to the global error handler • Mongoose style validation errors are sent to the user as is, in JSON format	• Validation errors generated from Mongoose are passed to express • Validation errors received by an express route are sent to express's global error handler • Mongoose style validation errors are sent from Express's global error handler to the user as is, in JSON format	N/A
Hooks and Methods	• A pre save hook on the user schema does not encrypt all passwords • The user schema has no authentication method.	• A pre save hook on the user schema encrypts the password property before saving it to the database • An "authenticate" static method on the user schema compares a password to the hashed password stored on a user document instance	N/A

	Needs Work	**Meets Expectations**	**Exceeds Expectations**
Permissions	- No express middleware function present to authenticate routes using the "authenticate" method on the user schema - One or more of the routes specified do not use the middleware for authentication	- An express middleware function authenticates any routes using the "authenticate" static method on the user schema - The following routes use middleware to implement authentication: `POST /api/courses` `PUT /api/courses/:courseId` `GET /api/users` `POST /api/courses/:courseId/reviews`	N/A