**Module 6 Lab 1: Protecting Resources**

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IFT 458/554: Middleware Programming & Database Security

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**Step 0** Ensure Application not running-

A computer screen shot of a program

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**Step 1:** Restore the Project Dependencies.

A screenshot of a computer

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Code Running-

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A screenshot of a computer

Description automatically generated

To make the code working and handle the errors the following changes have been done in the code-

bookExchangeForm.ejs removed the encryption type-

A computer screen shot of a program

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In bookRoutes.js change the route for createbook-

A screenshot of a computer screen

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In booksController.js add the missing values which are required for the book saving-

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After fixing all the files when we submit the data without adding photo the output is as follows-

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For the books to be viewed Following changes are done-

booksController.js-

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Output-  
A screenshot of a computer

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Guide: Installing and Using REST Client Plugin to POST and GET Books

Step 1: Install REST Client Plugin in VS Code

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Step 2: Create a New Folder and name it "X-Unit Tests"

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For the test to run we will remove the authentication part from the routes and make changes in the booksController.js to skip the user from req.user-

bookRoutes.js remove the authentication-

A screenshot of a computer screen

Description automatically generated

booksController.js req.user.id is commented and we will take owner from req.body.user-

A computer screen shot of a program

Description automatically generated

Changed the getBooks function to display just the json-

A screen shot of a computer

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GET ALL BOOKS-

A screenshot of a computer screen

Description automatically generated

For the GET All Books the debugger get stuck in getbooks funnction-

A screen shot of a computer

Description automatically generated

GET a Specific Book by ID-

A screenshot of a computer screen

Description automatically generated

For get Book by ID the Debugger gets stuck in getBookById function-

A screenshot of a computer program

Description automatically generated

POST a new Book-

A screenshot of a computer

Description automatically generated

POST Book-

A screenshot of a computer

Description automatically generated

Sequence Diagram-

A diagram of a book management system

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