Dr Jason,

This is my journey for completing this Assessment for the Web Backend Course.

1. I completed all the Labs 1 - 6 successfully from the Course. I have documented each Lab, noting errors, gaps in information to be shared with IAT.
2. I completed all the End of Module activities for each week of the course. Here too, I have documented errors, gaps in the content to be shared with IAT.

For the Project Assessment, I envisaged Web Pages as per below

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And individual pages, for each Course such as :

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The html, css & js code for all the is as per attached.

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**Plan A**

Intent was to convert the html, css & js code to React.

I created a project in React with a planned home page and pages for individual courses.

See “courses-app-react” folder.

Initial “app.jsx” is shown

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A “pages” folder was created for individual course pages.

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I then proceeded to convert my html, css & js code to React. After expending considerable time and effort, I was not successful in this endeavour.

**Mongodb Issue:** In Labs 4, 5 & 6 there is a requirement to create a database “productApp” with a collection called “products”. I was successful in creating and connecting to this. My connection string was working!

This works:

**mongodb+srv://josephmotha:Sar0jini@cluster0.ojqlnw5.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0**

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I then proceeded to create a database called “courseApp” with a collection called “courses” for the project assessment. I added the collection with all the “course data.”

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However, I much I tried, I could not connect to this database “courseApp” in code with the connection string. I spend many days/nights trouble shooting, googling but without any success.

I then decided to use the existing “productApp” database with the “products” collection. I purged all the Labs 1-6 data and uploaded all the “course data” required for the project assessment.

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**Plan B**

With Plan A at a dead end, I opted to go for Plan B. That is to use the “productApp” frontend and backend from Lab 6 which was a working app successfully connecting to Mongodb.

I tried to add extra pages for individual courses but despite all my searching and googling over many days & nights, I was not successful in this. The routing and links did not work.

My final submission is based on this.

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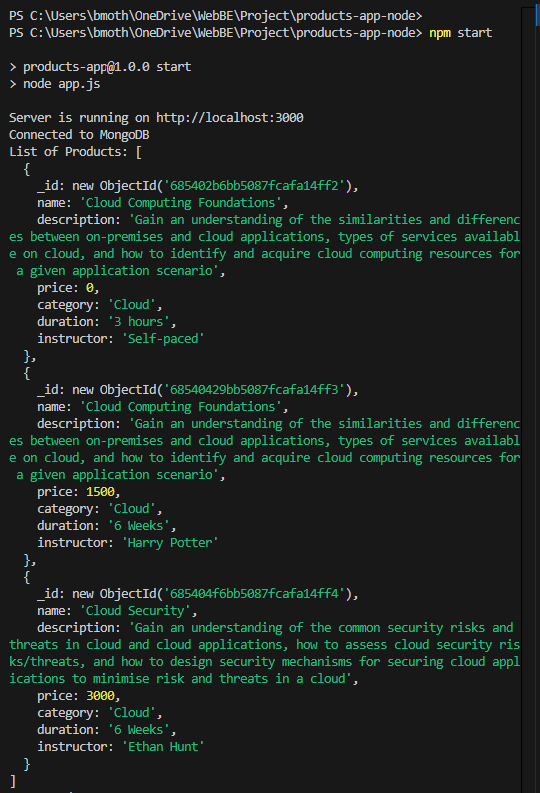
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I lodge my submission to you, Dr Jason, for your very thoughtful consideration.

Thanks and Regards

Joseph Motha

**Notes:**

This document is “ProjectOverview\_JosephMotha.docx” 

In VSC, the codes can be opened with “Project\_Assessment.code-workspace.”

File Structure:

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**Component 1:**



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**Component 2:**



**Component 3:**



**Component 4:**

