**Hands-On Exam Guide and Action Taken**

Azure Web App:

<https://blazorappwsamclient20230704041151.azurewebsites.net>

Github Repo:

1. Using the following tutorial as a guide <https://dotnet.microsoft.com/learn/aspnet/blazor-tutorial/intro>
2. Build a Blazor WASM App not a Blazor Server application.

**Action Taken**: Followed the instruction and created a Blazor Web Assembly App (Change a little bit with Hosted functionality)

1. Modify the app so it follows the same styling as the Schiavello website.

**Action Taken:** Was not able to follow Schiavello design due to time constraints and laptop issue that affects my performance in development.

1. Modify the app so that the counter increases/decreases in Fibonacci sequence.

**Action Taken:** Able to do what is expected for Fibonacci Sequence

1. Add a new page called "To Do List" that has the following required functionality.

**Note:** For Sorting, Filtering and Groupings I implemented only on client side since it was just a small amount of data. But for large data server side implementation is advised.

1. Persist to a backend data store of some kind.

**Action Taken:** Used Azure SQL Database

1. Implement basic CRUD functionality.

**Action Taken:** Able to achieve **Create & Read** functionality using API, but for **Edit & Delete** functionality it was implemented in client side due to issue on I encountered on API. Though all APIs are ready for the CRUD functionality.

1. Mark To Do item as new, active, complete, etc…

**Action Taken:** Can be modified using edit button

1. Sort To Do items.

**Action Taken:** Able to implement Sorting (client side sorting – no server side round trip)

1. Group items with a count for each group

**Action Taken:** Able to implement groupings (client side grouping – no server side round trip)

1. Filter by status (complete, active, etc)

**Action Taken:** Able to filter by Status

1. Add a new page called "Image Library" with the following required functionality.

**Notes:** Some functionality was not completed due to some issues.

Able to achieve **Create & Read** functionality using API, but for **Edit & Delete** functionality it was implemented in client side due to issue on I encountered on API. Though all APIs are ready for the CRUD functionality.

* 1. persist to a backend data store of some kind.

**Action Taken:** Used Azure SQL Database

* 1. Upload image file, only accepting JPEG and PNG

**Action Taken:** None (wasn’t be able to achieve due to laptop issue)

* 1. Add image title, category, and description.

**Action Taken:** Able to create record

* 1. Ability to delete uploaded image.

**Action Taken:** Able to Delete record

* 1. Ability to edit title, category, and description.

**Action Taken:** Able to Edit

* 1. Group by category

**Action Taken:** Implement grouping by Category

* 1. Search by Title, Category, or Description

**Action Taken:** Implement Search functionality

1. Create a free subscription to Azure and publish as a public website so that we can check out the results.

**Action Taken:** Registered Azure subscription using personal account