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BSIT-31A1

## C# and OOP Foundations

→ When we started with C# and OOP, I got confused about how classes work together, especially when they need to connect through relationships. In Prelim A2, I learned a lot by making the Book, Author, Library, and user models. At first, I didn't know how to link them, but I understood better after reading our notes, checking examples online, and practicing small codes before doing the final activity.

## Applying OOP in ASP.NET Core MVC

→ OOP really helped in organizing my work in MVC. In the Library Management System, I was able to separate each class into its own model with specific properties. This made the LibraryController easier to handle because I didn't have to put all the logic in one place. For example, when borrowing a book, I just used the Book and User models instead of mixing everything.

## Understanding Class Relationships

→ An example from Prelim A2 is the Book and Author relationship. A book written by one Author, and an Author can write many Books. This is an association because they are connected, but each can still exist separately.

## Expectations Vs. Reality

→ Before this, I expected we would just design web pages. In reality, it was more on the back-end coding and logic like creating models, controllers, and



relationships. It was harder than I thought, but I liked how it made me understand how systems worked behind the scenes.

### Current Confidence and Growth

→ Right now, my confidence is about 7/10. I'm proud that I finished Prelim A2 with working models and controller methods for adding, borrowing, and viewing books. I didn't think I could set up relationships and collections, but I managed to make it work.

### Bottlenecks and Struggles

→ My biggest struggle was deciding the right data type for storing multiple books in a library or multiple borrowed books for a user. At first, I kept getting errors, but I fixed it by testing different approaches and checking example codes online.

### Expectations Moving Forward

→ I want to learn how to connect the Library Management System to a database so that the data is stored permanently. I'm excited to try more complete systems, but I'm also a bit nervous about debugging bigger projects.