

Entity Relationship Diagram – Individual Report

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Assigned Tasks:

1. ER Diagram
2. Individual Report

Data Structures Used:

1. N/A

Challenges Faced:

1. Mermaid Syntax Limitations
2. Differentiating Between Data and Behaviour
3. Keeping Relationships Clear Despite Crossovers

Solutions:

1. Adapting the diagram to fit mermaids strengths, using cardinality (||, o{) instead of directional arrows
2. Isolating what belongs in the ERD (attributes and relationships) versus what's behavior or logic, which I ignored for the diagram
3. Spacing the diagram out vertically and group related entities

Conclusion:

Despite some challenges with Mermaid syntax and layout, I was able to clearly represent the system's structure by focusing on relationships and separating logic from data.