Reflection / Output Report

**What did you learn from this lab?**

I learned how to integrate Firebase Firestore into a web application for basic CRUD operations. I also gained a better understanding of how to structure Firestore queries and handle user interactions dynamically. Additionally, I realized the importance of properly managing imports and avoiding duplicate initializations in JavaScript.

**What challenges did you encounter while connecting to Firestore?**  
One of the main challenges I faced was dealing with the error "Cannot redeclare block-scoped variable 'app'," which happened because Firebase was being initialized multiple times. I also had issues with incorrect event handler syntax when trying to update and delete users. Debugging these errors helped me understand how to properly use Firestore functions and manage imports efficiently.

**How does Firestore differ from traditional databases?**  
Firestore is a NoSQL cloud database, which means it stores data in **documents and collections** rather than tables and rows like traditional relational databases. This makes it more flexible for handling unstructured data. Also, Firestore automatically scales and syncs in real time, which is different from SQL databases that require manual handling of connections and queries.