

5th August 2025 (Tuesday)

The focus today was on data consistency and testing under multiple user scenarios. The mentor instructed us to simulate different use cases to ensure the project could handle various types of user inputs and real-time updates correctly. During the first hour, I tested multiple login sessions, verifying that user credentials were handled securely and without duplication in the database. I also cross-checked the functionality of input validation fields.

In the second hour, I tested data synchronization between different devices using Firebase. I carefully analyzed how quickly the data reflected updates on other instances and noted minor delays that required optimization. This practice strengthened my understanding of real-time communication principles and database performance testing. The mentor commended my methodical testing approach and encouraged maintaining detailed documentation of all test cases.