Sprint 1 Reflection Report

1. Completed the Design Document (DDS):
    - A well-defined and complete system architecture design.
    - A well-organized Entity-Relationship Diagram (ERD) for the database.
    - Created UI wireframe using Figma for the admin, student, and teacher.
    - Data flow diagrams (DFD) are used to show how data moves through a system.
    - State Transition Diagrams (STD) are used to simulate the behavior of systems.
    - Created a logo that captures the fundamentals of the project.

2. Usability Test Plan:
    - Created a comprehensive **test plan outline**, including test objectives, scope, test cases, and procedures for system functionality evaluation

3. Updated Documents:
    - Updated the **requirements document** to reflect new design changes and clarifications.
    - Updated the **project plan, Gantt chart, Trello and GitHub repository.**

Lesson Learned:

Our team maintained excellent alignment and trackability because we conducted frequent meetings and gave updates through Trello. Defining the project boundaries during the first phase prevented future extension of work and allowed for proper alignment with essential tasks. Early detection of risks enabled proactive strategy development for mitigation purposes.

Focus for Sprint 2:

4. **Core Functionalities Implementation**:
    - The main features of facial recognition and attendance tracking need development and integration into the system.
5. **User Interface:**
    - The user interface and user experience should receive an enhancement phase based on Sprint 1 feedback.
6. **Data Storage and Retrieval**:
    - Construct a simulated database structure to display data storage and retrieval operations.

- The system will use Firebase to enable authentication services and perform real-time data handling.

7. **Initial Testing and UAT**:
   - The test plan execution leads to documented results.
   - The prototype is verified through User Acceptance Testing (UAT) involving actual users for evaluation.

Conclusion

Sprint 1 established an effective groundwork that enabled project advancement. The team accomplished all goals in the design phase during Sprint 1 thereby establishing a solid path into Sprint 2. We will create a functional prototype because we want to improve the user interface, and we need user feedback to verify the system meets requirements. The team will produce an excellent high-quality product which adheres to project target goals and equips us for Capstone 2 full implementation.