REPORT WEEK 02

1. Project Information

- **Project Name**: Sweetie Bakery

- **Methodology**: Waterfall

- **Week**: Week 2 (From 10/11/2025 To 16/11/2025)

- **Phase**: Software Design

2. Objectives of This Week

The main objective of this week is to **complete the Software Design phase** for the SweetieBakery system. This includes defining the overall system structure and translating the approved requirements into detailed design artefacts. Specifically, the objectives are to:

- Develop the **Conceptual Model** to represent key system entities and their relationships.

- Design the **System Architecture**, including system decomposition, overall architecture diagrams, and applied architectural patterns.

- Define detailed **Class Diagrams and Class Specifications** to support object-oriented implementation.

- Complete the **Data Design**, including data diagrams and database specifications.

- Design the **User Interface and User Experience**, including screen diagrams and detailed screen specifications.

- Ensure the Software Design Document is **complete, consistent, and ready for validation** before moving to the implementation phase.

3. Work Assigned This Week

3.1 Team Member 1 – Nguyễn Thành Tiến

Task	Description	Status
Architectural Diagram	Shows the overall system structure and the relationships between major components.	Completed

Class Diagram	Represents system classes, their attributes, methods, and relationships.	Completed
Screen Specifications	Describe the detailed behavior, elements, and interactions of each screen.	Incompleted

3.2 Team Member 2 – Lê Phạm Kiều Duyên

Task	Description	Status
Screen Diagram	Illustrates the layout and navigation flow of system user interfaces.	Incompleted

3.3 Team Member 3 – Nguyễn Hoàng Gia Bảo

Task	Description	Status
Data Specification	Defines data structures, data types, and data constraints used by the system.	Incompleted
Class Specification	Provides detailed descriptions of each class, including responsibilities and methods.	Completed

3.4 Team Member 4 – Lương Linh Khôi

Task	Description	Status
Conceptual Model	Represents high-level system concepts and their relationships independent of implementation.	Completed
Data Diagram	Illustrates data entities and relationships within the system.	Incompleted

4. Deliverables

- Software Design Document (SDD) – Version 1.0

- Conceptual Model Diagram

- System Architecture Diagram

- Class Diagram and Class Specifications

- Data Design Diagram and Database Schema

5. Verification & Validation

- Review by: *Nguyễn Thành Tiến*

- Result:

    - ☑ Accepted

    - ☐ Minor Revision

    - ☐ Rework Required

6. Plan for Next Week

Finish the remaining design tasks and start the Implementation phase.

7. Overall Status

- **Schedule**: ☑ On track ☐ At risk ☐ Delayed

- **Quality**: ☐ Good ☑ Acceptable ☐ Need Improvement

- **Progress (%)**: 50%