Weekly Status Report – # Loan Management System
Version: 1.4
Date: 07/31/2025

New Changes:

- Created service-layer classes for the **Customer** and **Loan Officer** models to encapsulate business logic, improve code structure, and support maintainability.
- Developed a custom middleware class to handle **staff session authentication**, ensuring secure, role-based access control and session validation for bank staff routes .

Project Goals:

- Utilize Laravel with a MySQL database for reliable data storage
- Build a secure, role-based loan management system for bank staff
- Safely store client information and ensure data integrity
- Automatically categorize clients by ZIP code and assign to the appropriate loan officer
- Generate accurate and printable payment schedules

Completed (Weeks 1–3)

- Laravel project scaffolded; MySQL and environment configuration set up
- Authentication implemented for Receptionist and Loan Officer roles
- Receptionist-facing customer data entry form built
- ERD designed and database tables created accordingly
- Data validation and sanitization implemented on both frontend (JavaScript) and backend (PHP)
- Established clear Table ↔ Model mapping for maintainable data access
- Dashboard filtering by ZIP code implemented for loan officer view

Week 4 – Current Work

- Customer summary list created, scoped to each loan officer's assigned ZIP codes
- Customer detail page under development—status editing and print-responsive layout in progress
- **Near completion**: only design refinements and event handling remain
- Significant blockers encountered, prompting a core application restructuring that delayed customer detail page delivery

Week 5 – Next Steps

- Begin developing the **Loan Application Module** for loan officers:
    - Design and build the loan application form
    - Implement input validation and error handling
    - Integrate the form into the officer dashboard workflow

Summary

Core modules—including authentication, data entry, dashboard, models, sanitization—are now complete. The new service layer and custom middleware enhance structure and security. This week's focus is on finalizing the customer detail page. Once design and event handling tasks are completed, development will shift to building the loan application module.