

Weekly Status Report – Loan Management System

Version: 1.3

Date: 07/24/2025

Changes: Enhanced data models, sanitization, detail view & regional filtering

Project Overview

A Laravel-based system to streamline small-business loan workflows with secure multi-role access, zip-based data segmentation, repayment scheduling, and printer-friendly documentation.

Completed (Weeks 1–3)

Week 1 – Setup & Authentication

- Project scaffolded in Laravel, including `.env` and MySQL configuration
- Built authentication with Receptionist & Loan Officer roles, including migrations and seeders
- Role-based login redirection implemented

Week 2 – Reception & Data Entry

- Receptionist form created for customer data capture
- Convert business requirements into an ERD: depict **entities (tables)**, **attributes (columns)**, and **relationships** (1-to-many; many-to-many via junction tables).
- Create tables based on ERD.

Week 3 – Loan Officer Dashboard

- Documented table schemas and relationships for team clarity
- Implemented comprehensive data sanitization/validation in both frontend (JS) and backend (PHP) to guard against injection and invalid data
- Clear Table⇌Model Mapping: This provides a clean, object-oriented way to interact with data instead of writing raw SQL
- Filter zip code based on corresponding loan officers

Current Work (Week 4)

- Create a list containing summarized customer information for loan officers, filtered by their zip code
- Developing status-editable detail page with print-specific layout

- Ensuring data visibility is scoped to each officer's regional responsibility

Coming Up (Week 5)

- **Loan Application Module (Loan Officers)**
 - Start developing loan application forms, input validation, and dashboard workflow integration

Summary

Core modules—authentication, data entry, officer dashboard, models, sanitization—are complete. This week focuses on delivering a refined customer detail view and interactive, region-filtered customer listing in loan officers dashboard. Next week begins the Loan Application module development.