

# SIMULATION PROJECT REQUIREMENTS DOCUMENT

LOAN MANAGEMENT SYSTEM

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## PROJECT DESCRIPTION

This system will be having two entities- admin and user. Both admin and user will access the same database in SQL Server to perform CRUD operations using Web API using HTTP methods like Get, Post, Put and Delete using Postman as a client.

## PURPOSE

The purpose of this project is to use Dotnet technology to develop a system that uses ASP.Net, Web API, Entity Framework, Model-View-Controller (MVC), JWT Authentication, and Database to perform basic CRUD operations with two entities using Postman as a client. Swagger is used for interactive documentation of Web APIs.

## SCOPE

The Loan Management System will be made on Visual Studio using ASP.Net Core project with Entity Framework, MVC and Web API will communicate with the database in SQL Server using Entity Framework. There will be a central database accessible by both user and admin. The user will be able to see their account details and will be able to update personal information like Mobile number, Address. The admin will be able to read, write, update and delete data from the database.

## HARDWARE AND SOFTWARE INTERFACE

- SYSTEM : Intel Core I5 8<sup>th</sup> Gen
- OPERATING SYSTEM : Windows 10
- RAM : 8GB
- CODING LANGUAGE : C#
- DATABASE : MySQL
- HARD DISK : 128 GB
- IDE : Microsoft Visual Studio