

Software Requirements **Specification** **for Mitra**

Version 0.01

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Category: Mobile Application

PURPOSE

The purpose of developing this “Mitra” is for getting your khata and stock inventory on your hand, moreover, you can apply for loans with instant approvals to making EMI payments on your existing loans.

SCOPE

It will integrate the benefits of a removal of conventional methods of finding the credit worthiness, of people who aren't aware of credits and use cash as a transaction with the convenience of a 'no conventional-method' i.e an app, which can just analyse the documents and logs to get the desired output.

This will provide more flexibility in the existing process. It will ease the process of lending loan to customers.

INTRODUCTION

Introduction contain the following sub categories

Existing System

The present system is a manual system or a semi-automated system. Manual system involves lots of clicks, and figuring out which documents need to be checked also involves a lot of risk to give loans to such customers. Such a process is tedious and involves a lot of labour work.

A manual system has following disadvantages:

- It takes more time to search first regarding the files, and manually enter the details of the customer.
- It is inefficient.
- It has a lot of risk involved, and poor reliability if error occurred in mid way.

Proposed System

- Users without CIBIL score can apply for a loan by using this model to get a loan at an applicable amount.
- User have to verify himself/herself
- User need to feed records that will be asked in PDF/image format
- User have to feed details for proposed surrogates to make their application strong
- User can apply for loan in very fast way and get response from admin quickly

Surrogates:

1. **Past week store purchase bills:** We will ask them a week before purchases for their inventory. Preference: PDF, Image.
2. **Property ownership:** How is the property owned or have rights over it

3. **Physical assets:** Any assets which can be guaranteed by applicant
4. **Guarantor:** Can ask a person to guarantee applicant for amount of loan on basis of guarantors income.

Advantages for Users

- Users those are not having cibil score will be benefited by using this service to get their credit worthiness
- They have to perform some operations on application and submit required things so that we can structure the data that can represent their credit worthiness.
- This will be a fast and easy to use applying for loan method
- Loan applicants will get an interface to feed past data of certain duration
- Admin would get structured data to analyse applicants worthiness for a particular loan amount

FUNCTIONAL REQUIREMENTS

"Functional requirements describe what a system should do." Functional requirements of our system is explained below :

Mitra shall allow for:

- System should verify user
- System should gather relevant information from user to check credit worthiness
- System should provide structured data of loan applicant to admin
- Loan process and agreement should be quick and hassle free

NON FUNCTIONAL REQUIREMENTS

Requirement that specifies criteria that can be used to judge the operation of a system are called non functional requirements. Non functional requirements of our system are mentioned below:

- The system shall perform efficient search and ensure high performance.
- The system should be compatible with the android version of 4.4 and higher.
- The system shall assure data integrity.

SOFTWARE TOOLS

- **Database Server:** MySQL
- **Client:** Android Mobiles
- **Development Tools:** Visual Studio and Android Studio
- **Programming Language:** Flutter and Python
- **Rest APIs :** FAST API

DEPLOYMENT

- **Service :** Azure VM Instance
- **Operating System Server:** Ubuntu

- **HARDWARE SPECIFICATION**

- **SIZE:** Standard B1ms (1 vcpus, 2 GiB memory)
- **RAM:** 2 GB RAM
- **Hard Disk:** 30 GB

PROPOSED UI

To create the UI we used Figma, to check our UI we have added the link below
<https://www.figma.com/file/p4mmxfaUanq3i5fjP6ExPS/Mitra?node-id=0%3A1>