

## **DSC 2CC**

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### ***Building a Restful API to handle Bank Transactions***

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## Table of Contents

<b><i>Problem Statement:</i></b> .....	3
<b><i>Motivation</i></b> .....	3
<b><i>Hardware/ Software Requirements:</i></b> .....	3
<b><i>i. Hardware Interfaces:</i></b> .....	3
<b><i>ii. Software Interfaces</i></b> .....	3
<b><i>Main Features:</i></b> .....	3
<b><i>Conceptual Schema (ERD):</i></b> .....	5
<b><i>Logical Schema (ERD to Relational Mapping):</i></b> .....	6
<b><i>Github Link:</i></b> .....	7

### **Problem Statement:**

Our project that is bank management system focuses on solving daily bank routines for both branch admin and user, we have tried to computerize almost every feature of a bank from both user and admin perspective, time constraint and mobility are the main problems solved.

### **Motivation:**

Motivation behind the project was, we had to ease banking activities for admin and user, especially for users who find it difficult, going to banks and performing user activities as banks have time constraint and are not available everywhere, for admin performing bank management activities are made easy as every feature for admin is available at the panel.

### **Hardware/ Software Requirements:**

#### **i. Hardware Interfaces:**

- Windows.
- A browser which supports HTML, CSS, Bootstrap, PHP & Java Script.

#### **ii. Software Interfaces**

- Database: MySQL
- Languages:
  - PHP → We have chosen PHP since PHP hosting service providers can easily be found.
  - HTML/CSS → Every browser supports HTML language.
  - Bootstrap → Since it provides responsiveness.

### **Main Features:**

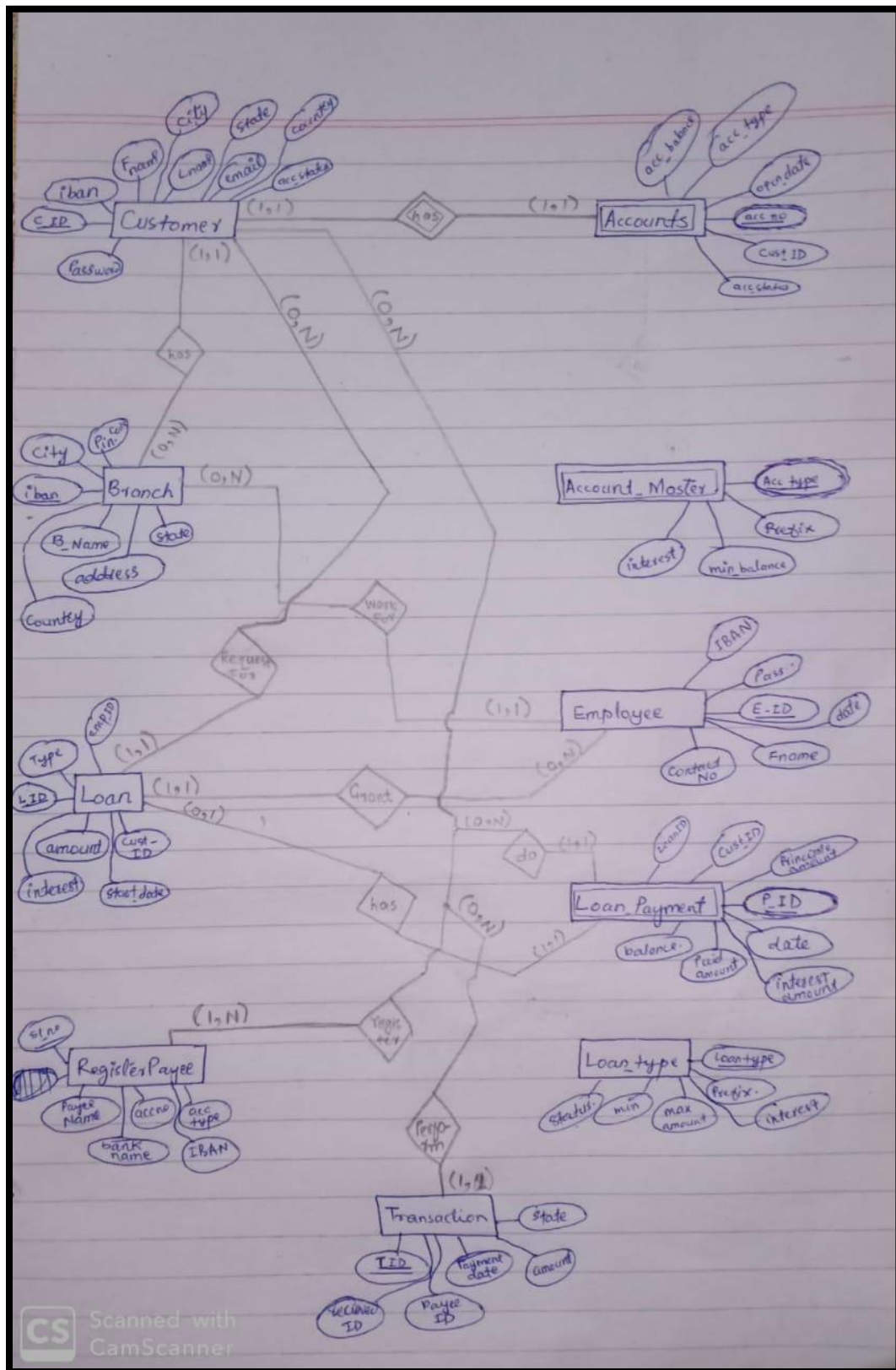
The Customer Panel contains the following features:

1. Account Detail
2. Fund Transfer
3. Transactions
4. Register Payee
5. Remove Payee
6. Pay Loan
7. Loan History
8. Loan Info

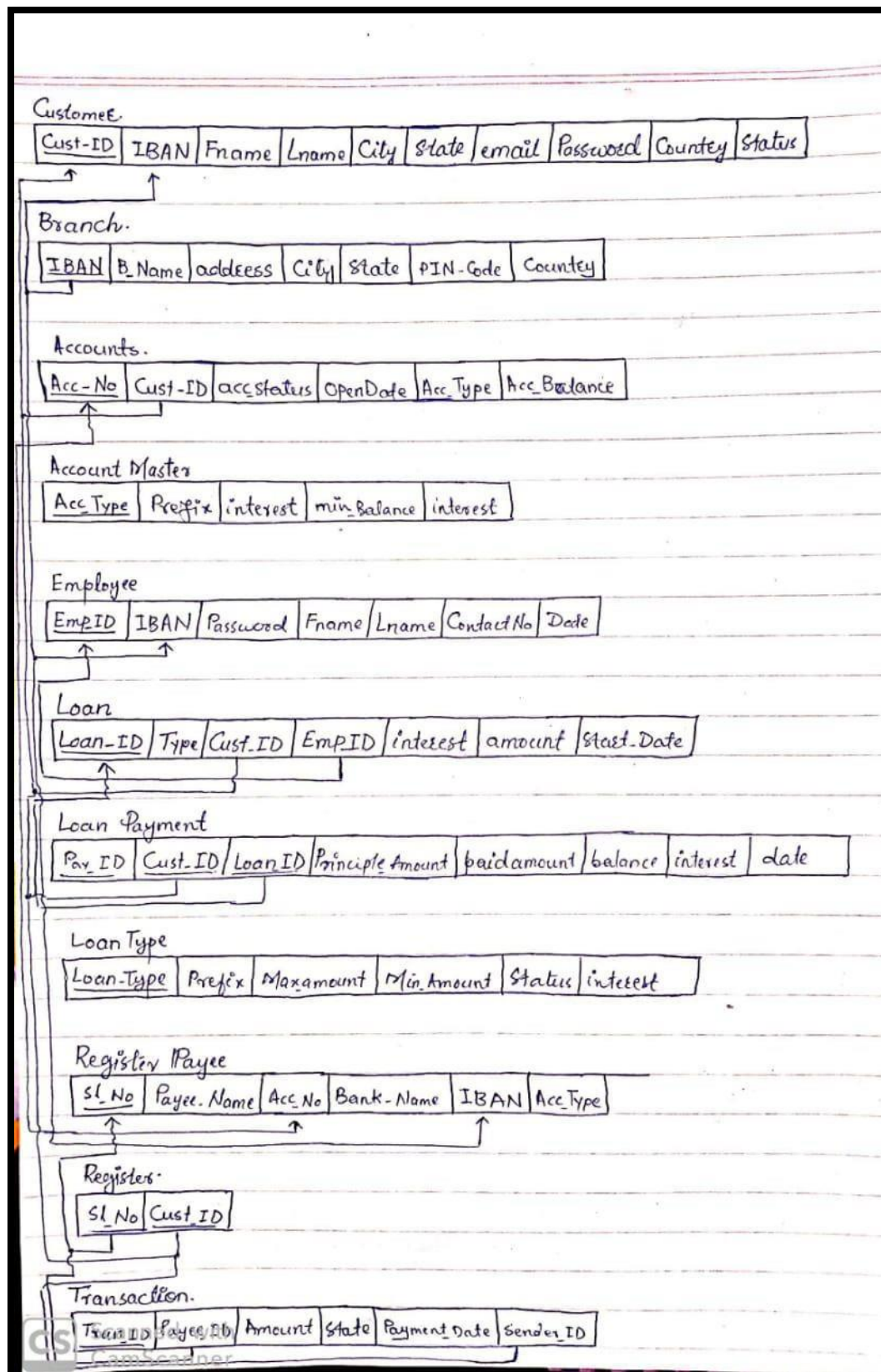
The Admin Panel contains the following features:

1. Add Account
2. Delete Account
3. Grant Loan
4. View Accounts
5. Deposit Money
6. Withdrawn Money
7. View Loans
8. Debit Card

## Conceptual Schema (ERD):



### Logical Schema (ERD to Relational Mapping):



**Github Link:**

➤ <https://github.com/manovki/manovki>