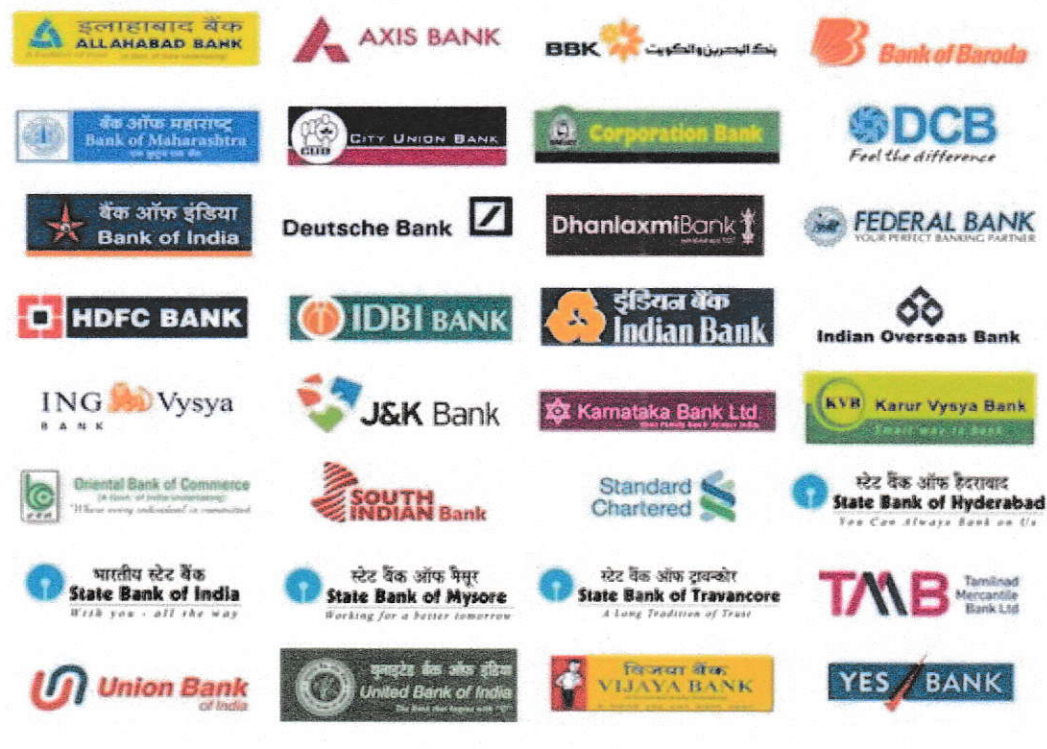


FARMER BANKING AND LOAN DATABASE



A Synopsis of the above Management System

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Schema Diagram:

BRANCH

<u>BranchID</u>	<u>BankID</u>	BranchName	BranchCity	IFSC	MICR
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BANK

<u>BankID</u>	BankName	Headquarters
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ACCOUNT

<u>AccNo</u>	<u>BranchID</u>	Balance	Interest	AccountType
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FARMER

<u>FarmerID</u>	FName	PAN	AadharNo	Address
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DEPOSITOR

<u>FarmerID</u>	<u>AccNo</u>
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BORROW

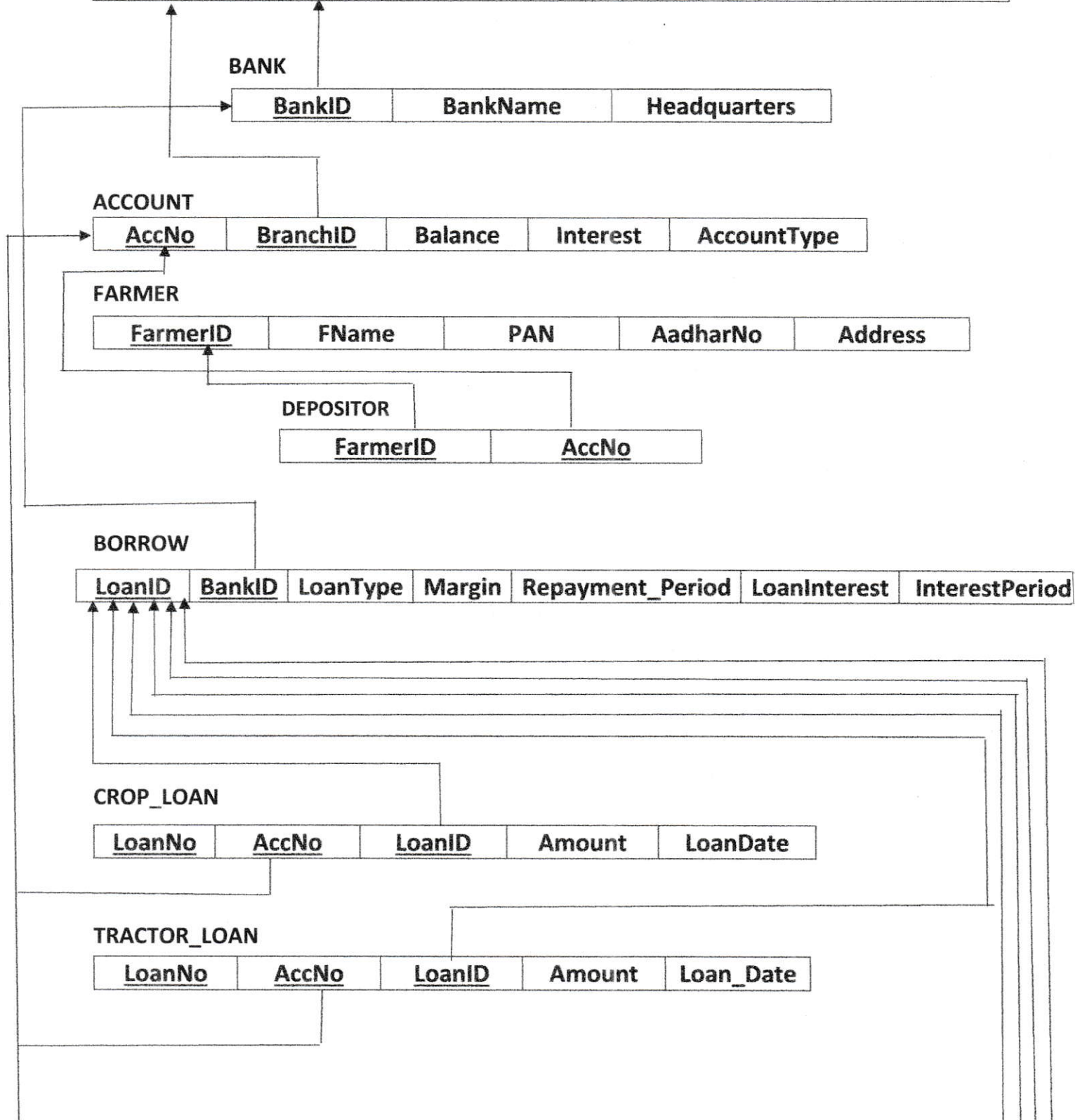
<u>LoanID</u>	<u>BankID</u>	LoanType	Margin	Repayment_Period	LoanInterest	InterestPeriod
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CROP_LOAN

<u>LoanNo</u>	<u>AccNo</u>	<u>LoanID</u>	Amount	LoanDate
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TRACTOR_LOAN

<u>LoanNo</u>	<u>AccNo</u>	<u>LoanID</u>	Amount	Loan_Date
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DRIP_IRRIGATION_LOAN

<u>LoanNo</u>	<u>AccNo</u>	<u>LoanID</u>	Amount	Loan_Date
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DIARY_LOAN

<u>LoanNo</u>	<u>AccNo</u>	<u>LoanID</u>	Amount	Loan_Date	Purpose
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POULTRY_LOAN

<u>LoanNo</u>	<u>AccNo</u>	<u>LoanID</u>	Amount	Loan_Date
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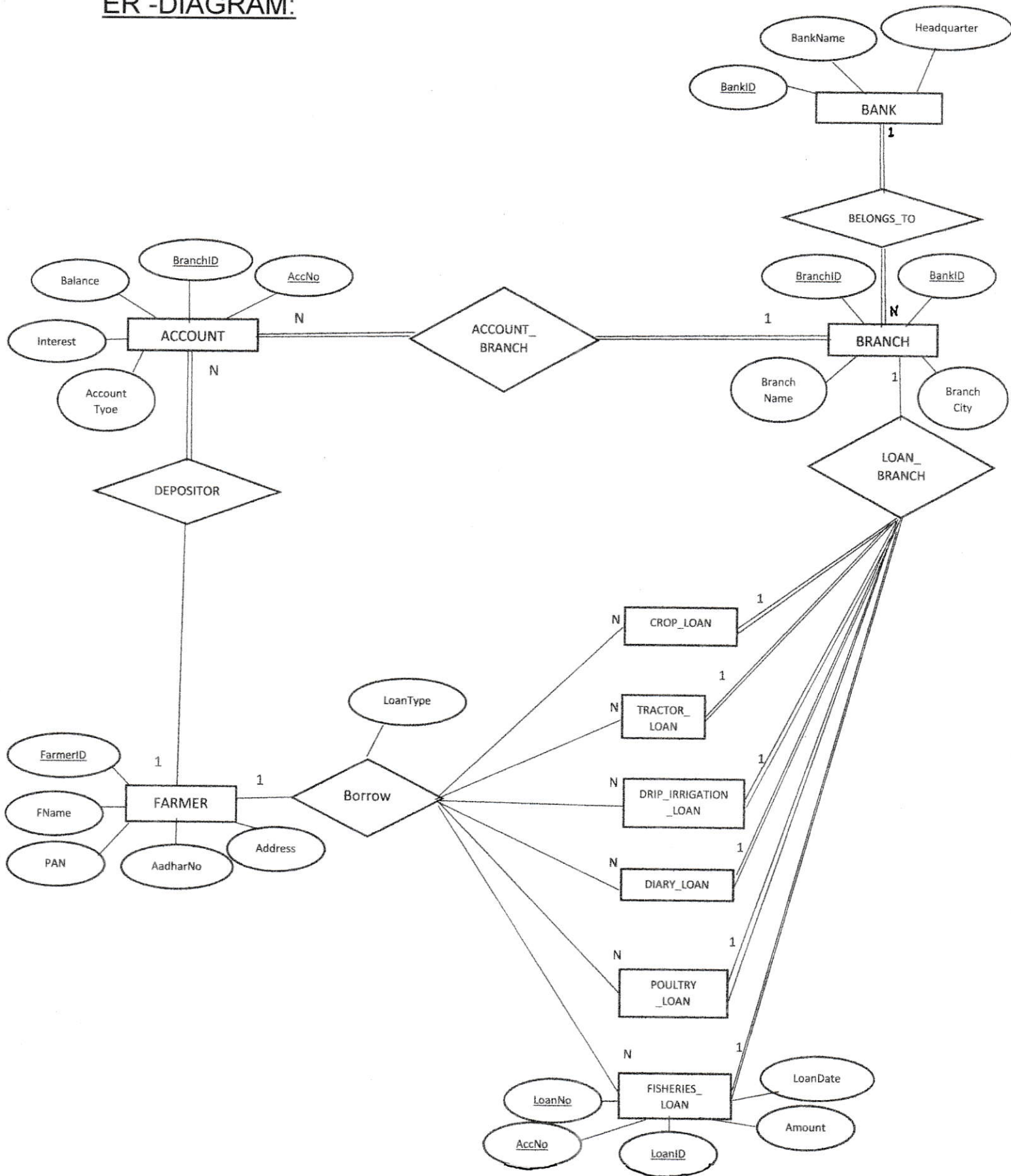
FISHERIES_LOAN

<u>LoanNo</u>	<u>AccNo</u>	<u>LoanID</u>	Amount	Loan_Date
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Synopsis of the schema:

Here we have created a Banking system designed particularly for Farmers .Each farmer will be associated with an account created in a particular bank . The bank may have any number of branches. The BORROW table contains the types of loans provided by different banks and its details like the repayment period and the interest. The farmer can avail any loan provided by the bank based on his requirement. The tables CROP_LOAN,TRACTOR_LOAN,DRIP_IRRIGATION_LOAN,DIARY_LOAN, POULTRY_LOAN and FISHERIES_LOAN contains the principle loan amount taken by the farmer and keeps track of the loan date , loan repaid and the interest applied on the amount annually.

ER-DIAGRAM:



Software Requirements:

1. Wampserver
2. JetBrains DataGrip (BackEnd Application)
3. Microsoft Visual Studio Code (FrontEnd Application)

Expected outcomes:

At the end of this project we will be creating a system which will produce the following results:

1. Keeping track of the farmers bank account .
2. Updating the account based on the transactions made.
3. Allowing the farmer to avail the loans based on requirement.
4. The farmer will be able to avail more than one loan and the loan can be provided by any bank.
5. After a particular period interest will be applied on the principle amount and the principle amount is increased.
6. It will also display the accounts which have exceeded their repayment period.
7. The front end will make it easy for the farmer to choose the best loan between different loans provided by different banks .
8. Using this system the government can keep track of the farmers who are in debt and provide assistance accordingly .