



A

PROJECT REPORT

ON

Patseva-Core Banking System-Saving master Module

Submitted for the Partial Fulfillment of

MASTER OF COMPUTER APPLICATION

(MCA)

Part - II Semester -III

Submitted By

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Under the Guidance of

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(Senior Software Developer)

Compserve Consultants Pvt. Ltd

TO

THE DIRECTOR

CHH. SHAHU INSTITUTE OF

BUSINESS EDUCATION & RESEARCH, KOLHAPUR

2022-2023



**CHH.SHAHU INSTITUTE OF BUSINESS EDUCATION &
RESEARCH, KOLHAPUR**

CERTIFICATE

This is to certify that **Ms. Vaibhavi Krishnat Patil (Seat No: 9739)** has satisfactorily completed the Project work on “**PATSEVA - CORE BANKING SYSTEM - SAVING MASTER MODULE**” developed through “ **Angular Technologies** ” for the partial fulfillment of MCA-II (Sem-III) submitted to **Chh. Shahu Institute of Business Education & Research, Kolhapur**’ during the academic year 2022 – 2023.

Place : Kolhapur

Date:

External Examiner

Dr. P .G .Naik

(HOD)

CS/2023-2024/086
26.05.2023

CERTIFICATE

This is to certify that Ms. Vaibhavi Krishnat Patil is final year MCA student from Chhatrapati Shahu Institute of Business Education and Research, Kolhapur, had completed internship as an "Intern" in our company, Compserv Systems from 28th November 2022 to 15th February 2023.

She worked on project "Patseva- Core Banking System- Saving Master Module" with technology Angular, PHP, Jasper, PostgreSQL as a Frontend.

During the period of internship we found her sincere, hardworking and a keen learner.

The contents of this report are only for academic purpose and the source code is of confidential nature, so we are unable to provide the same.

We wish all the best for her future endeavors.

Thanking you,

For Compserv Systems.



Yogita Sardal
(HR Department)



**CHH.SHAHU INSTITUTE OF BUSINESS EDUCATION &
RESEARCH, KOLHAPUR**

DECLARATION

I undersigned hereby and declare that the project entitled **“PATSEVA - CORE BANKING SYSTEM - SAVING MASTER MODULE”** Developed through **“Angular Technology”** submitted by me is an original work. The project presented is developed by me independently and is not duplication from any other source. The work is hereby submitted to **“Chh. Shahu Institute of Business Education and .Research, Kolhapur”** for the partial fulfillment of **MCA-II (Sem-III)** Project.

Place : Kolhapur

Date :

Ms. Vaibhavi Krishnat Patil



CHH.SHAHU INSTITUTE OF BUSINESS EDUCATION & RESEARCH, KOLHAPUR

ACKNOWLEDGEMENT

I have great pleasure while submitting this Project Report entitled for “**SAVING MASTER MODULE**” in partial fulfillment of MCA-II (Sem-III) while submitting this Project Report, I take this opportunity to thank to those who directly or indirectly related to project work without their active co-operation and guidance it would have become extremely difficult to complete this task in time. At the outset, we keep on giving deep gratitude towards my Project Guide **Mr.Ajit Sutar sir** who gave me guidance right from the initial stage of project and offered us several valuable suggestions for developing this project in systematic and presentable manner. I am also thankful to our H.O.D. **Dr. P.G.NAIK** and all the staff members of Computer Department. In the end, I express my gratitude to our friends and parents who inspired me in this work, without their inspiration the work was almost impossible.

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INTRODUCTION

1.1)Organization Profile:-

Organization Name:- Compserve Consultants Pvt.Ltd

Address:- 'Compserve House', C. S. No. 555/3/1, Plot No. 2a/2b, 'E' Ward, Rajendra Nagar, Kolhapur-416004.

Phone:231-2663797

About Organization:-

Compserve Consultants Pvt. Ltd. (CCPL) was established in the year 1992. Compserve Consultants Pvt. Ltd. is an IT Services provider. This company implement innovative and sustaining IT solutions for Manufacturing Industries which enables them to save skilled man-hours and achieve optimum utilization of their resources using most efficient technologies, methods and processes through our ERP solution BWay. CCPL establish a transparent and long-term relationship with their clients. They believe every process holds the key to improving organizational efficiency. Their streamlined methodology and process-driven approach ensure the smooth implementation of our IT solutions which exceed the client's expectations.

Compserve Consultants Pvt. Ltd. (CCPL) is Software Development Company with range of Software Solutions catering to the computerization needs of various businesses segments. With modest beginning today CCPL is multi-solutions Software Company with proven capabilities in Design, Development, Implementation and Servicing various software solutions for all business segments. The word 'COMPSERV' is fusion of COMPuting and SERVices, representing service commitments to customer for all his computing needs with latest technologies.

Skill Set:

- Operating Systems: Windows, Android
- Languages and Front End: C, C++, VC++, VB, VB.Net, Java, ASP.Net, MVC, PL/SQL, TSQL
- DBMS/RDBMS: MS Access, Clipper, FOXPRO, Oracle, MS SQL Server, My SQL
- Internet Technologies: HTML, XML, Front page, ASP, ASP.NET, JSP, PHP, JQuery, AJAX, Pearl/CGI, TOMCAT, Servlets, EJB, SWING, RMI, jRunner
- Software Testing Tools: Win Runner
- Drawing Tools: AutoCAD, PROE, Wildfire 3.0, Solid Edge
- Protocols Used: RS232 (For Weighing Machine, ATM), TCPIP (For ATM), TWAIN (For Image Scanning), Barcode Generation and Printing.

1.2)About Project and module:-

Core banking system as a back-end system that processes daily banking transactions and posts updates to accounts and other financial records. Core banking systems typically include deposit, loan and credit processing capabilities, with interfaces to general ledger systems and reporting tools.

Execution of Core banking system across all branches helps to speed up most of the common transactions of bank and customer. In Core banking system, all branches access banking application from a centralized server which is hosted on cloud.

Banking software/application performs basic operations like maintaining transactions, the balance of withdrawal and payment, interest calculations on deposits and loans, etc. This banking application is deployed on a cloud server and can be accessed using the internet from any location.

DESCRIPTION OF CURRENT SYSTEM

2.1)Objectives:

In India, most of the private sector banks have implemented the Core banking solutions but most of the cooperative banks, Regional Rural Banks are missing the benefits of CBS.

With the help of core banking and the latest technology, banks can improve their functionalities and to cope up with the growing needs of customers; banks need to implement core banking solutions. To face the challenges of a dynamic market, banks need to take the help of IT in their operations.

Core banking system is beneficial to both banks as well as customers as below:

Benefits To Banks:

- Process standardization within bank and branches.
- Retention of customers through better customer service.
- Accuracy in transactions and minimization of errors.
- Improved management of documentation and records – having centralized databases results in quick gathering of data and MIS reports.
- Ease in the submission of various reports to the Government and Regulatory boards like RBI.
- Convenience in opening accounts, processing cash, servicing loans, calculating interest, implementing changes in policies like changing interest rates, etc.

Benefits To Customers:

- Quicker services at the bank counters for routine transactions like cash deposits, withdrawal, passbooks, statements of accounts, demand drafts, etc.
- Fast payment processing through Internet banking, mobile banking.
- Anytime anywhere banking through ATMs.
- All branches access applications from cloud, so deposits made in any branch reflect immediately and the customer can withdraw money from any other branch throughout the world.
- CBS is very helpful to people living in rural areas. The farmers can receive e-payments towards subsidy etc. in their account directly.

2.2) Current System and Need:

EXISTING SYSTEM

Existing system was built in VB.net with Oracle database. This system is windows based application so needs software installation on each desktop and server installation in bank branch. This system provides all core banking functionality to their customers such as calculating and maintaining different transactions, passbook printing, message facility expect ATM facility.

This system has different types according to their use and features such as Bank, PatClassic, Accounting, Consolidation, and Payroll. Existing system requires high cost for software and hardware installation.

Needs For System:

- Core Banking System is now build with Angular 10, NestJS, and TypeORM which are latest technologies.
- Core Banking System is web based application so we do not requires installing it on each machine.
- This system provides cloud based service which reduces server installation problem of each branch.
- This system helps to reduce cost of hardware and software installation.
- This system added functionality for ATM facility.

2.3) Requirement Analysis and Feasibility Study:

REQUIREMENT ANALYSIS

Since the users of this system are online, user requirement analysis becomes one of the major steps that would ultimately enable the developer to make the system much more user friendly. Various detailed Studies were conducted to analyze the system thoroughly.

Based on the results, various user requirements emerged.

The user requirements can be categorized as follows:

- a. Functional Requirements
- b. Non Functional Requirements

A. FUNCTIONAL REQUIRMENTS

All of the following functional requirements are kept in mind for the designing process which would follow.

The functional requirements are as follows:

- a. A realiable and a user-friendly system. The realiabilty of the system depends on the accurate and efficient information provided by the system.
- b. The user interface must be simple, not complicated and extremely easy to follow.
- c. The proper report format is to be prepared by a discussion with the respective persons.
- d. The system must be developed in such a manner that in the future if the need arises, changes should easily be done.

B.NON FUNCTIONAL REQUIREMENTS

The System must be compatible with all web browsers and this system will use the default internet securities.

FEASIBILITY STUDY

After doing the project master form, study and analysing all the existing or required functionalities of the system, the system, the next task is to do the feasibility study for the project. All projects are feasible-given unlimited resources and infinite time.

Feasibility study includes consideration of all the possible ways to provide a solution to the given problem. The Proposed solution should satisfy all the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements.

ECONOMIC FEASIBILITY

- The project is economically Feasible since we are getting ample economic support required for the project from authorities.

TECHNICAL FEASIBILITY

- Minimum requirement for execution of the project is a Angular supporting operating system since the connection of the database will made using Firebase, Minimum of 90 of MB of RAM, a database software, a server and Web browser with which we were previously equipped.

OPERATIONAL FEASIBILITY

No doubt the proposed system is very user friendly and all inputs to be taken all self-explanatory even to a layman. Besides, a proper training has been conducted to let know the essence of the system to the users so that they feel comfortable with new system. As far our study is concerned the clients are comfortable and happy as the system has cut down their loads and doing.

2.4) Methodology Adopted :-

Methodology used to develop system is:

1. Requirement Analysis is done to analyze the requirements of the user.
2. The module is designed as per the requirements of the user.
3. After designing the module, then coding of the Web application is done.
4. After coding, testing of the system to check whether system is working appropriately.

SCOPE OF WORK

The project Entitled “Core Banking System” is mainly developed to provide core banking services to different customer and bank. It handles the various transactions depending upon rules and help to operate transaction related to policy. Also maintain quicker services at the bank counters for routine transactions like cash deposits, withdrawal, passbooks, statements of accounts, demand drafts, etc.

All branches access applications from cloud so deposits made in any branch reflect immediately and the customer can withdraw money from any other branch throughout the world. CBS is very helpful to people living in rural areas. The farmers can receive e-payments towards subsidy etc. in their account directly. Transfer of funds from the cities to the villages and vice versa will be done easily.

The scope of Investment module in Core Banking System Project can be define as bank will know about investment information like bank’s investment in shares, given loans, and deposits in other bank.

Saving master is a module which consist all requirements related to open a saving account. To manage all the transactions according to accounts, bank needs to save the data of each and every individual. To save the data according to the type, there are several forms, which takes detail information.

3.1)About Environment /platform used:

For Frontend:

- **Angular 10:**

The version 10.0.0 of Angular framework is released on June 24, 2020. Angular 10 is a major release, and the changes introduced are reflected on the entire platform, including the framework, Angular Material, and the CLI.

The Angular 10 release is smaller than the typical previous releases. Angular is a platform and framework for building single-page client applications using HTML and TypeScript. Angular is written in TypeScript. It implements core and optional functionality as a set of TypeScript libraries that you import into your applications.

The architecture of an Angular application relies on certain fundamental concepts. The basic building blocks of the Angular framework are Angular components that are organized into NgModules. NgModules collect related code into functional sets; an Angular application is defined by a set of NgModules. An application always has at least a *root module* that enables bootstrapping, and typically has many more feature modules.

- Components define views, which are sets of screen elements that Angular can choose among and modify according to your program logic and data.
- Components use services, which provide specific functionality not directly related to views. Service providers can be injected into components as dependencies, making your code modular, reusable, and efficient.

Modules, components and services are classes that use decorators. These decorators mark their type and provide metadata that tells Angular how to use them.

An application's components typically define many views, arranged hierarchically. Angular provides the Router service to help you define navigation paths among views. The router provides sophisticated in-browser navigational capabilities.

Angular Datatable:

Angular DataTables is a library for building complex HTML tables that uses jQuery's DataTables plugin. It is configured to support TypeScript and optimized for Angular 2+. Angular DataTables also supports a number of extensions.

Angular DataTables will come in handy when:

- You have a very large dataset coming in from one or more API endpoints
- You need customized data sorting/filtering
- You need to export and print data from a table

Basic features:

- Direct loading of data using AJAX calls
- Options such as column rendering in your Angular components
- Table rendering using the custom function dtTrigger
- Server-side processing (though you'll need to override the AJAX option)

Advanced features:

- Custom filtering, which covers filtering by numbers, strings, Booleans, etc.
- Individual column filtering, which sorts data by column
- Re-rendering of data table
- Multiple tables can be displayed simultaneously
- Router links can be added in the Angular components, which can display a single instance of data in a new page
- Pipes are added in the data table to transform data to the format you want

- **Bootstrap:**

Bootstrap is a free front-end framework for faster and easier web development. Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins. Bootstrap also gives you the ability to easily create responsive designs.

Advantages of Bootstrap:

- **Easy to use:** Anybody with just basic knowledge of HTML and CSS can start using Bootstrap
- **Responsive features:** Bootstrap's responsive CSS adjusts to phones, tablets, and desktops
- **Mobile-first approach:** In Bootstrap, mobile-first styles are part of the core framework
- **Browser compatibility:** Bootstrap 4 is compatible with all modern browsers (Chrome, Firefox, Internet Explorer 10+, Edge, Safari, and Opera)

- **SCSS:**

Sass stands for Syntactically Awesome Stylesheet. Sass is an extension to CSS. Sass is a CSS pre-processor. Sass is completely compatible with all versions of CSS. Sass reduces repetition of CSS and therefore saves time. Sass was designed by Hampton Catlin and developed by Natalie Weizenbaum in 2006. Sass is free to download and use.

Stylesheets are getting larger, more complex, and harder to maintain. This is where a CSS pre-processor can help. Sass is a stylesheet language that's compiled to CSS. It allows you to use variables, nested rules, mixins, functions, and more, all with a fully CSS-compatible syntax. Sass helps keep large stylesheets well-organized and makes it easy to share design within and across projects.

- **PHP**

PHP is an open-source, interpreted, and object-oriented scripting language that can be executed at the server-side. PHP is well suited for web development. Therefore, it is used to develop web applications (an application that executes on the server and generates the dynamic page.).

PHP was created by **Rasmus Lerdorf in 1994** but appeared in the market in 1995. **PHP 7.4.0** is the latest version of PHP, which was released on **28 November**. Some important points need to be noticed about PHP are as followed:

- PHP stands for Hypertext Preprocessor.
- PHP is an interpreted language, i.e., there is no need for compilation.
- PHP is faster than other scripting languages, for example, ASP and JSP.
- PHP is a server-side scripting language, which is used to manage the dynamic content of the website.
- PHP can be embedded into HTML.
- PHP is an object-oriented language.
- PHP is an open-source scripting language.
- PHP is simple and easy to learn language.

- **JasperReports**

JasperReports is an open-source reporting tool for Java that is used for reporting of applications. This reporting tool helps in writing rich content onto the screen, to the printer, or into a variety of files like HTML, PDF, XLS, RTF, CSV, XML, ODT and TXT. JasperReports can also be used for Java-enabled applications like Java EE or web applications to generate dynamic content.

Reasons for using a Jasper report tool:

- It offers report generation performance and delivery to users.
- It helps you to represent your data in textual or graphical format.
- It is a standalone and embedded reporting server for reporting compilation and execution.
- It allows role-based access control to all reports in the repository.
- A spring security framework for integration with in-house authentication systems

Features of Jasper Reports tool:

- Offers flexible report layout.
- Developers can supply data in multiple ways.
- It allows you to accept data from multiple data sources.
- Watermarks can also be applied.
- Multiple data sources can be used to transfer data.

For Backend:

- **PostgreSQL**

PostgreSQL is a popular *relational database management system (RDBMS)*. Our PostgreSQL tutorial provides basic and advanced concepts of PostgreSQL. In this tutorial, we are going to learn all the topics of PostgreSQL language, such as *create a database, drop a database, select database, select table, update a record, create a table, delete record, drop table, triggers, functions, insert the record, procedures, cursors, etc.*

The essential features of PostgreSQL are as follows:

- **Free to download:** It is open-source, and we can easily download it from the official website of PostgreSQL.
- **Compatible on several operation systems:** PostgreSQL runs on all major operating systems such as *Microsoft Windows, Linux, MacOS X, UNIX (AIX, BSD, HP-UX, SGI IRIX, Solaris, and Tru64)*, etc.
- **Compatible with various programming languages:** It supports multiple programming interfaces such as *C/C++, JAVA, Python, Perl, Ruby, Tcl, and ODBC (Open Database Connectivity)*.
- **Compatible with Data Integrity:** It supports data integrity
- **Support multiple features of SQL:** PostgreSQL supports various features of SQL .
- In PostgreSQL, a table can be set to inherit their characteristics from a "parent" table.
- It is compatible with ANSI-SQL2008.
- PostgreSQL will help us to improve the functionality of Server-Side programming.
- We can install several extensions to add additional functionality to PostgreSQL.

Hardware and software requirements are as below:

- **Hardware:**

Processor: Intel(R) Core(TM) i5-1035G1 CPU @ 1.00GHz 1.20 GHz

Memory: 4 GB RAM

- **Software:**

Operating system: Windows 11

Frontend: Angular 10 , Jasper, PHP

Backend: Postgresql

3.3)PROPOSED SYSTEM:

Proposed system uses Angular 10, PHP, Jasper for frontend and PostgreSQL for backend. Core Banking System is a web based application which helps in performing core banking operations and provide services to bank customer.

Banking software/application performs basic operations like maintaining transactions, the balance of withdrawal and payment, interest calculations on deposits and loans, etc. Quicker services like at the bank counters for routine transactions like cash deposits, withdrawal, passbooks, statements of accounts, demand drafts etc.

Core banking is a general term used to describe the services provided by a group of networked bank branches. Bank customers may access their funds and other simple transactions from any of the member branch offices. Core Banking is normally defined as the business conducted by a banking institution with its retail and small business customers.

Normal core banking functions will include deposit accounts, loans, mortgages and payments. Banks make these services available across multiple channels like ATMs, Internet banking, and branches.

Banking institutions provide an essential bridge between depositors and borrowers. By accepting deposits and putting those funds into income-earning investments, banks can earn a profit while supporting economic development and growth. How they invest their funds determines their profitability.

Additional bank income comes from the fees it charges, and from the income on investments it makes. Investment income can come from stock holdings, both as gains on stock sales and from dividends that the issuers of the stock pay to the bank.

3.4)File Structure /Database Design

Table Specification

dpmaster

GeneralColumnsAdvancedConstraintsParametersSecuritySQL

Inherited from table(s)Select to inherit from...

Columns

	Name	Data type	Length/Precision	Scale	Not NULL?	Primary key?	Default
	id	integer			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	nextval('dpmaster_id_seq');
	AC_ACNOTYPE	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_TYPE	integer			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_NO	integer			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	BANKACNO	character varying			<input checked="" type="checkbox"/>	<input type="checkbox"/>	'...':character varying
	AC_NAME	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_CATG	integer			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_BALCATG	integer			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_OPR_CODE	integer			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_CUSTID	integer			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_INTCATA	integer			<input type="checkbox"/>	<input type="checkbox"/>	

Close

Reset

Save

dpmaster

GeneralColumnsAdvancedConstraintsParametersSecuritySQL

	AC_UPDATE	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_SCHMAMT	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	REF_ACNO	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_MINOR	character varying			<input type="checkbox"/>	<input type="checkbox"/>	'0':character varying
	AC_MBDATE	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_GRDNAME	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_GRDRELE	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AUTO_MATURED_PAYABLEAMT	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AUTO_MATURED_INTERESTAMT	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_INTROBRANCH	integer			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_INTROID	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_INTRACNO	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	AC_INTRNAME	character varying			<input type="checkbox"/>	<input type="checkbox"/>	
	SIGNATURE_AUTHORITY	character varying			<input type="checkbox"/>	<input type="checkbox"/>	

Close

Reset

Save

General Columns Advanced Constraints Parameters Security SQL

		INVEST_BANK	character varying	v					
		INVEST_BRANCH	character varying	v					
		AC_REF_RECEIPTNO	character varying	v					
		AC_ASON_DATE	character varying	v					
		AC_EXPDT	character varying	v					
		AC_MONTHS	character varying	v					
		AC_DAYS	character varying	v					
		AC_INTRATE	character varying	v					
		AC_MATUAMT	character varying	v					
		AC_CLOSEDT	character varying	v					
		DEBIT	character varying	v					
		AC_PARTICULAR	character varying	v					
		AC_IS_RECOVERY	character varying	v					'0':character varying
		SYSADD_DATETIME	timestamp without time zone	v					now()

✕ Close ↺ Reset Save

Input Screens

3.5) MODULE SPECIFICATION:

There are two types of accounts we can create.

Current account is for business entities, while saving account is for individuals.

Saving master is a module which consist all requirements related to open a saving account.

To manage all the transactions according to accounts, bank needs to save the data of each and every individual. To save the data according to the type, there are several forms, which takes detail information.

These forms are as follows

Saving Master:

- **Basic Form:**

This form consists basic information of customers like Aadhar number, PAN number, scheme details with opening date.

Information mentioned in this form get connected with corresponding accounts to get easy access or manage all the transactions.

- **Address Form:**

Address is mandatory field for any enquiry or to send any documents to the given location.

If consists two parts one is Permanent address and second Temporary address.

If both addresses are same then we can click on check box having tag as “Temporary address is same as Permanent”

- **Introducer/Minor Details Form:**

This form consist minor details of account holder. It consists birth date, signature authority and introducer.

This information is also important for maintaining account and to complete transaction procedure online or offline.

It check the customer’s authority to complete the transaction.

- **Nominee/Joint a/cs/Attroney Form Form:**

Individuals need to mention nominee to handle account for back-up or in emergency case.

In Joint Account, two persons can manage one single account and do transactions. Authority and accessibility is different from individual's account.

- **Documents Form:**

In this form banks can upload the soft copies, scan copies of documents needed to open the account.


These documents can be any format jpg or pdf with limited size.

Banks can verify these documents to maintain the account.


3.6)Input Screens

Login Form :

← → ↻ ⚠ Not secure | 139.59.63.215/bhairavnath/auth/login/simple



BHAIRAVNATH CO-OPERATIVE PATSANSTHA




Sign In

User Name*

Password*


[Reset Password?](#) [Forgot Password?](#)

[Sign In](#)




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Patseva

← → ↻ ⚠ Not secure | 139.59.63.215/bhairavnath/auth/login/simple



BHAIRAVNATH CO-OPERATIVE PATSANSTHA




Sign In

User Name*

Password*


[Reset Password?](#) [Forgot Password?](#)

[Sign In](#)



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Patseva

Basic Form :

← → ↻ ⚠ Not secure | 139.59.63.215/bhairavnath/master/customer/savingMaster

CompserV BHAIKAVNATH CO-OPERATIVE PATSANTHA Master / Customer / Saving Master Sudam Patil

OFFICE KOTOLI

Saving Account Master Fields marked with (*) are mandatory

Scheme * 101 SAVINGS DEPOSIT x Customer Id * Customer Id + Title Name

Account Number

Basic Address Introducer/Minor Details Nominee/Joint a/cs/Attorney Documents

Opening Date * 30/09/2022 Member Scheme Member Number Birth Date Cast

Manual Reference Number Occupation Category * Category Operation * Operation

Balance Category * Balance Category Interest Category * Interest Category PAN Number Aadhar Number

Next

Action	Scheme	Account Number	Member Name	Detail Address	City	Opening Date	Manual
<input checked="" type="checkbox"/>	125	101101125100002	BORAGE KIRAN GANAPATI			30/09/2022	
<input checked="" type="checkbox"/>	101	101101101101761	JADHAV SURASH KRUSHNA			30/09/2022	

Branch: OFFICE KOTOLI Today Date: 30/09/2022

← → ↻ ⚠ Not secure | 139.59.63.215/bhairavnath/master/customer/savingMaster

CompserV BHAIKAVNATH CO-OPERATIVE PATSANTHA Master / Customer / Saving Master Sudam Patil

OFFICE KOTOLI

Saving Account Master Fields marked with (*) are mandatory

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Next

Action	Scheme	Account Number	Member Name	Detail Address	City	Opening Date	Manual
<input checked="" type="checkbox"/>	125	101101125100002	BORAGE KIRAN GANAPATI			30/09/2022	
<input checked="" type="checkbox"/>	101	101101101101761	JADHAV SURASH KRUSHNA			30/09/2022	

Branch: OFFICE KOTOLI Today Date: 30/09/2022

Compserv

Menu

BHAIRAVNATH CO-OPERATIVE PATSANSHTHA

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Master / Customer / Saving Master

Profile

Sudam Patil

Compserv

OFFICE KOTOLI

Master

General Ledger

Customer

Balance Entry

Policy Settings

Maintainance

Instruction

Shares/Dividend

Transaction

Passing

View

Reports

Utility

Hot Key

Saving Account Master

Fields marked with (*) are mandatory

Scheme *
101 SAVINGS DEPOSIT

Customer Id *
7 JADHAV SAHVIKAS NANARAYAN

Title
SHRI.

Name
JADHAV SAHVIKAS NANARAYAN

Account Number

Basic

Address

Introducer/Minor Details

Nominee/Joint a/cs/Attorney

Documents

Opening Date *
30/09/2022

Member Scheme

Member Number

Birth Date

Cast
MARATHA

Manual Reference Number

Occupation
Farming

Category *
EDUCATE Sansatha

Operation *
Individual

Balance Category *
SAVINGS DEPOSIT

Interest Category *
JAMINKI KARJ

PAN Number

Aadhar Number

Next

Action	Scheme	Account Number	Member Name	Detail Address	City	Opening Date	Manual
<input checked="" type="checkbox"/>	125	101101125100002	BORAGE KIRAAN GANAPATI			30/09/2022	
<input checked="" type="checkbox"/>	101	101101101101761	JADHAV SURASH KRUSHNA			30/09/2022	

Branch: OFFICE KOTOLI Today Date: 30/09/2022

Address Form :

CompserV

OFFICE KOTOLI

Master

General Ledger +

Customer +

Balance Entry +

Policy Settings +

Maintenance +

Instruction +

Shares/Dividend +

Transaction +

Passing +

View +

Reports +

Utility +

Hot Key

Sign Out

BHAIKAVNATH CO-OPERATIVE PATSANTHA

/ Master / Customer / Saving Master

Sudam Patil

Saving Account Master

Fields marked with (*) are mandatory

Scheme *
101 SAVINGS DEPOSIT x

Customer Id *
Customer Id

Title

Name

Account Number

Basic

Address

Introducer/Minor Details

Nominee/Joint a/cs/Attorney

Documents

----- Permanent Address -----

House Ward Galli Area Detail

City Pin Code Residential Number Mobile Number Email

----- Temporary Address -----

☒ Is Temporary Address same as Permanent Address

Next

Action

Scheme

Account Number

Member Name

Detail Address

City

Opening Date

Manual

Branch: OFFICE KOTOLI Today Date: 30/09/2022

CompserV

OFFICE KOTOLI

Master

General Ledger +

Customer +

Balance Entry +

Policy Settings +

Maintenance +

Instruction +

Shares/Dividend +

Transaction +

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BHAIKAVNATH CO-OPERATIVE PATSANTHA

/ Master / Customer / Saving Master

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Fields marked with (*) are mandatory

Scheme *
101 SAVINGS DEPOSIT x

Customer Id *
Customer Id

Title

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☐ Is Temporary Address same as Permanent Address

House Ward Galli Area Detail

City Pin Code

Next

Action

Scheme

Account Number

Member Name

Detail Address

City

Opening Date

Manual

Branch: OFFICE KOTOLI Today Date: 30/09/2022

Introducer/Minor Details Form:

CompserV BHAIKAVNATH CO-OPERATIVE PATSANSHTHA / Master / Customer / Saving Master Sudam Patil

OFFICE KOTOLI

Saving Account Master Fields marked with (*) are mandatory

Scheme * 101 SAVINGS DEPOSIT x Customer Id * Customer Id + Title Name

Account Number

Basic Address **Introducer/Minor Details** Nominee/Joint a/cs/Attorney Documents

☐ Minor Details Birth Date Guardian Name Relation Signature Authority

INTRODUCER

Branch 101 OFFICE KOTOLI x Account Type Account Type Account Number Account Number

Next

Action	Scheme	Account Number	Member Name	Detail Address	City	Opening Date	Manual
<input checked="" type="checkbox"/>	125	101101125100002	BORAGE KIRAN GANAPATI			30/09/2022	
<input checked="" type="checkbox"/>	101	101101101101761	JADHAV SURASH KRUSHNA			30/09/2022	
<input checked="" type="checkbox"/>	101	101101101101760	KHOT SARADAR NARUTHE			30/09/2022	

Branch: OFFICE KOTOLI Today Date: 30/09/2022

Nominee/Joint a/cs/Attorney Form :

CompserV BHAIKAVNATH CO-OPERATIVE PATSANSHTHA / Master / Customer / Saving Master Sudam Patil

OFFICE KOTOLI

Saving Account Master Fields marked with (*) are mandatory

Scheme * 101 SAVINGS DEPOSIT x Customer Id * Customer Id + Title Name

Account Number

Basic Address **Introducer/Minor Details** **Nominee/Joint a/cs/Attorney** Documents

☒ **NOMINEE**

Name * Relation * Nomination Date * Age House Ward

Galli Area Detail City * City Pin Code

Add Nominee

Action	Name	Relation	Age	Nomination Date	House	Ward	Details	Galli	Area	City	Pin Code
No data!											

☐ **JOINT ACCOUNTS**

Action	Customer ID	Name	Operation
--------	-------------	------	-----------

Branch: OFFICE KOTOLI Today Date: 30/09/2022

Compserv BHAIKAVNATH CO-OPERATIVE PATSANSTHA / Master / Customer / Saving Master Sudam Patil

OFFICE KOTOLI

Master

General Ledger +
Customer +
Balance Entry +
Policy Settings +
Maintenance +
Instruction +
Shares/Dividend +
Transaction +
Passing +
View +
Reports +
Utility +
Hot Key

JOINT ACCOUNTS

☒ **JOINT ACCOUNTS**

Customer Id* Name ☒ Operation Add Account

Action	Customer ID	Name	Operation
No data!			

☒ **POWER OF ATTORNEY**

Name* Appointed on* 30/09/2022 Expiry Date* Add Attorney

Action	Name	Appointed On	Expiry Date
No data!			

Next

Branch: OFFICE KOTOLI Today Date: 30/09/2022

Document Form :

Compserv BHAIKAVNATH CO-OPERATIVE PATSANSTHA / Master / Customer / Saving Master Sudam Patil

OFFICE KOTOLI

Master

General Ledger +
Customer +
Balance Entry +
Policy Settings +
Maintenance +
Instruction +
Shares/Dividend +
Transaction +
Passing +
View +
Reports +
Utility +
Hot Key
Sign Out

Saving Account Master Fields marked with (*) are mandatory

Scheme* 101 SAVINGS DEPOSIT x Customer Id* JADHAV SAHVIKAS NANARAYAN x + Title SHRI. Name JADHAV SAHVIKAS NANARAYAN

Account Number

Basic Address Introducer/Minor Details Nominee/Joint a/cs/Attorney **Documents**

Code	Description	Upload Attachment	View Document	Is Linked Document Uploaded
1	PHOTO	<input type="text"/> No file chosen	<input type="text"/>	<input type="text"/>
2	ELECTION CARD	<input type="text"/> No file chosen	<input type="text"/>	<input type="text"/>
3	SIGN	<input type="text"/> No file chosen	<input type="text"/>	<input type="text"/>
4	RATION CARD	<input type="text"/> No file chosen	<input type="text"/>	<input type="text"/>
5	PAN CARD	<input type="text"/> No file chosen	<input type="text"/>	<input type="text"/>
6	ADHAR CARD	<input type="text"/> No file chosen	<input type="text"/>	<input type="text"/>

Save

Branch: OFFICE KOTOLI Today Date: 30/09/2022

Reports

3.4) Reports

Report of Credit balance list:

BHAIRAVNATH_CO-OPERATIVE_PATHSANTHA

Branch :		KOTHOLI	Credit Balance List report as on		02/01/2023	Amount in Rupees
Sr.No.		Account Number		Account Name		Balance
Scheme : 502 JAMIN LOAN						
1		100001		KABALE NIEVAS NAMADEO		39609.00
Scheme : 501 TARAN LOAN						
2		100001		PATIL VANAYAK JAYAVNT		311028.00
Scheme : 505 VAHAN TARAN LOAN						
3		100001		SAVNT SHIVAJI TUKARAM		75365.00
Scheme : 502 JAMIN LOAN						
4		100002		SANKAPAL AKSAY VALAS		10442.00
Scheme : 501 TARAN LOAN						
5		100002		GAYAKAVADA DENKAR NAN		77434.00
Scheme : 505 VAHAN TARAN LOAN						
6		100002		PATIL AJIT BABALALSO		63994.00
Scheme : 504 GOLD LOAN						
7		100003		KHUMBAR JAYAVNT BAPU		47027.00
1313/66/2023 22.38.28						
Page 1 of 1						

Sr.No.	Account Number	Account Name	Balance
173	100153	GAYAKAVADA SHRAVAN KUNDALIK	40000.00
174	100154	PATIL AKSAY PANDURANG	30000.00
175	100155	MALAVI DADTTATRAY BAJIRAV	36019.00
TOTAL :			13771247.00

Cleark

Manager

Chairman

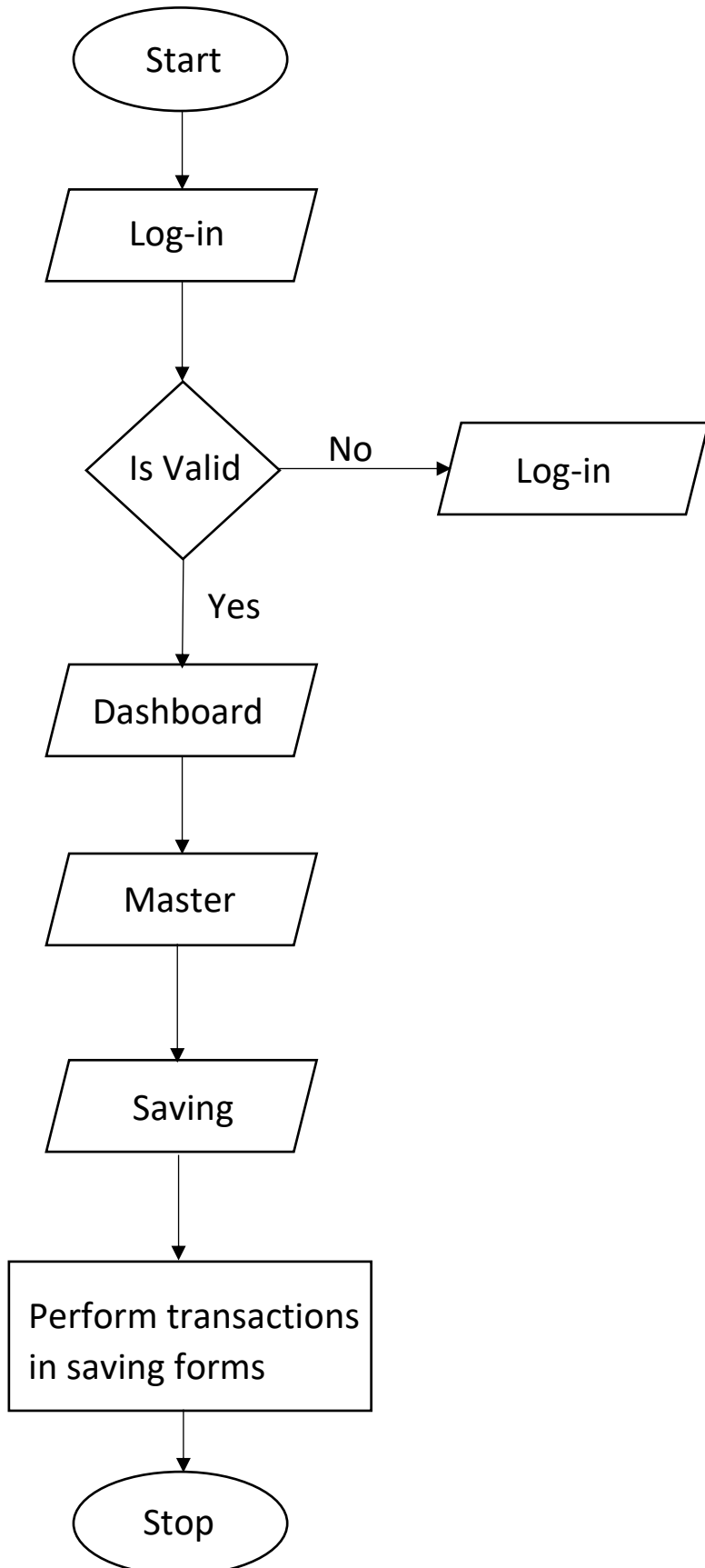
Report of Service charges list:

BHAIRAVNATH_CO-OPERATIVE_PATHSANTHA

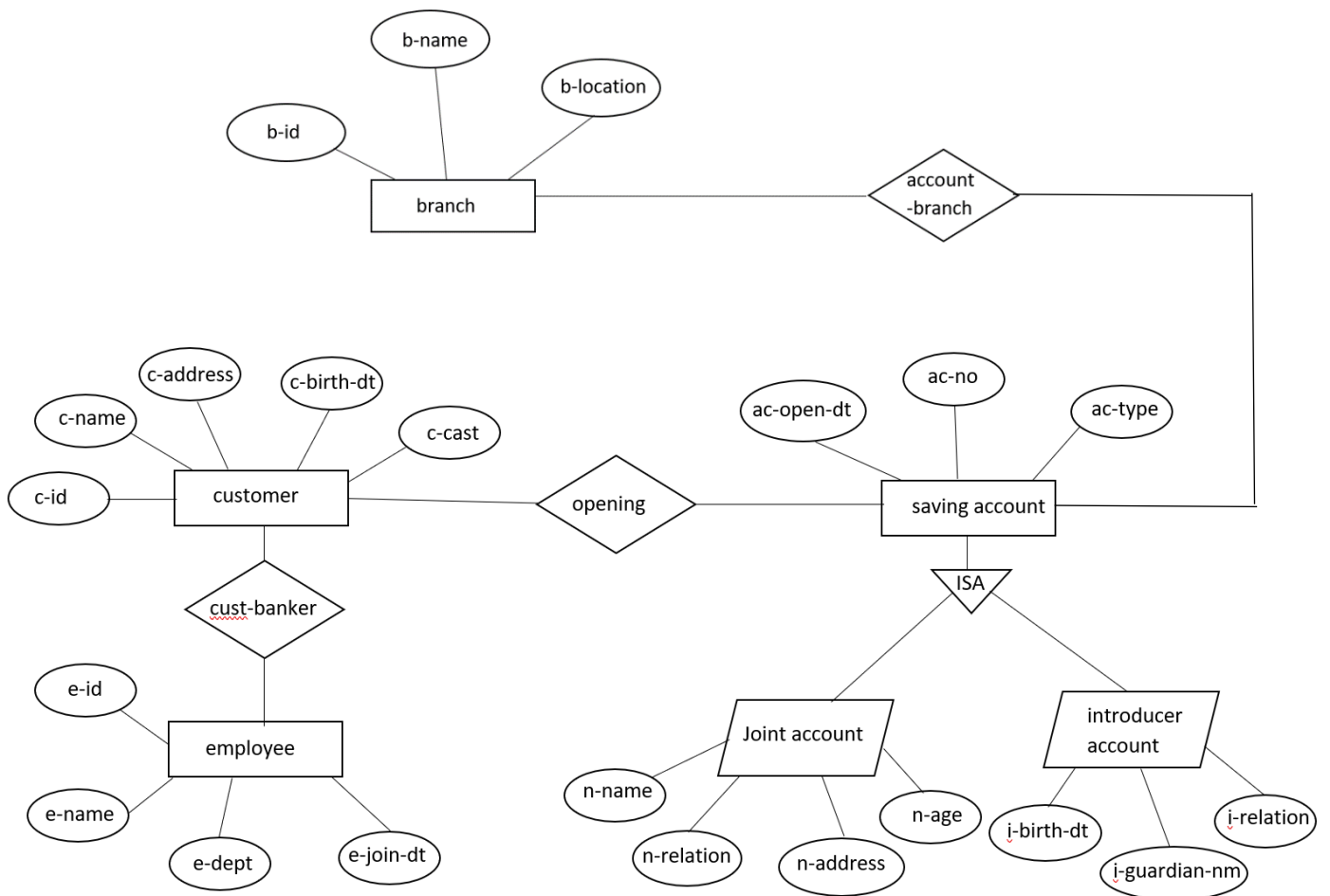
Branch : SANGLI		Current Account Sevice Charges List From 01/04/2022 To 31/12/2022		Amount in Rupees
Sr.No.	Account Number	Account Name	Total Transactions	Charges
Scheme : 201 FIXED DEPOSIT				
1	106879	KALEKAR MADAHAV KARSHANA	3	21.00
2	100840	CHAUGALE SAVITA MANASHING	1	7.00
3	100946	CHAUGALE SAVITA MANASHING	1	7.00
4	101074	PATIL DHANASHRI KRISNAT	1	7.00
5	101075	PATIL Vinay KRISNAT	1	7.00
6	101134	CHAUGALE SAVITA MANASHING	1	7.00
7	101301	CHAUGALE SAVITA MANASHING	1	7.00
8	101794	CHAUGALE SAVITA MANASHING	1	7.00
9	101795	CHAUGALE SAI MANASHING	1	7.00
10	102009	MAORE SAHIL SNJAY	1	7.00
11	102013	MAORE SNCHITA SNJAY	1	7.00
12	102016	MAORE SAHIL SNJAY	1	7.00
13	102017	SHANDE RAHUL MARUTI	1	7.00
14	102787	PATIL VISHAL MARUTI	2	14.00
15	102788	PATIL VISHAL MARUTI	2	14.00

System Datagram

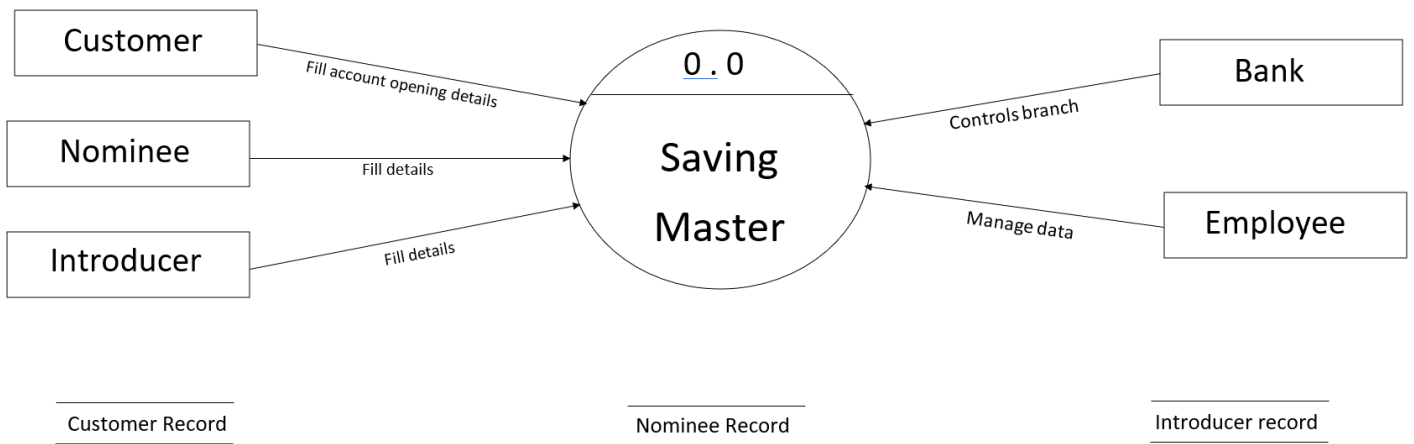
4.1)Flowchart:



4.2) Entity Relationship Diagram



4.3)Data Flow Diagram



User Manual And Findings

5.1)Conclusions And Limitations

The word Core Banking is used to depict the variety of services being given by the banking system to its customers and this is completed by the whole banking core branches. This capability makes it achievable for the banks to get transfer their funds and other transactions to other core branch offices in a very effortless and speedy manner. Now, there is no need to get deposit and withdrawal of your cash in the same branch. You can deposit from any branch and get it withdrawal easily from the other branch.

Normal core banking functions will include deposit accounts, loans, mortgages and payments. Banks make these services available across multiple channels like ATMs, Internet banking and branches. Core Banking system is the addition total of all the information technology components that allow a bank to administer its hub business actions in a centralised form.

Core Banking System is web based banking application on a platform enabling phased, strategic approach that lets people improve operations, reduce costs, and prepare for growth. Implementing a modular, component-based solution ensures strong integration with existing technologies.

Limitations

- This system now only works in Client/Server environment. This system will not run on mobile currently.
- This system requires internet to operate so banks in rural area may face problems because of network issues.
- This system works only in English language.

5.2) PROPOSED ENHANCEMENT:

Execution of Core banking system across all branches helps to speed up most of the common transactions of bank and customer. In Core banking, all branches access banking applications from a cloud server which is hosted in a secured data center. Banking software/application performs basic operations like maintaining transactions, the balance of withdrawal and payment, interest calculations on deposits and loans, etc. This banking application is deployed on a cloud server and can be accessed using the internet from any location.

- This system now only works in Client/Server environment. In future this system will run on mobiles.
- Currently, this system works only in English language but in future this system may works in different languages.

5.3)Bibliography/References

<https://www.guru99.com/jasperreports-tutorial.html#3>

<https://www.javatpoint.com/everything-you-should-know-about-angular-10>

<https://en.wikipedia.org/wiki/PHP>