Department of Research and Development, Mysuru



INTERNSHIP TRAINING REPORT

Submitted in partial fulfillment of the requirements for the certification of 30 days Internship Training Programme

"BANKING MANAGEMENT SYSTEM"

Submitted By

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GIRIJAGAMANA SATISH HEGDE 4MH18IS030

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Under the Guidance of Sveda Arbeena Kausar

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DEPARTMENT OF RESEARCH & DEVELOPMENT MAKERS TECH INNOVATION

Mysuru

2021 - 2022

Mysuru

DEPARTMENT OF RESEARCH AND DEVELOPMENT



TRAINING CERTIFICATE

This is to certify that Ms. Samar Fathima N (4MU18CS060) bonafide student of Mysuru Royal Institute of Technology(MRIT) in partial fulfillment for the award of "Training Certificate" in Department of Research and Development of the MAKERS TECH INNOVATION, Mysore during the year 2021-2022. It is certified that he/she has undergone internship during the time period from 08/03/2021 to 10/04/2021 of all working days corrections/suggestions indicated for internal validation have been incorporated in the report deposited to the guide and trainer. The training report has been approved as it satisfies the organizational requirements in respect of Internship training prescribed for the said qualification.

Signature oftheSupervisor (SyedaArbeenaKausar) B.E., M.Tech Software Engineer

MakersTechInnovation

Signature of the CTO (Shoeb Khan)

B.E.,

Sr. ProductionEngineer
Makers TechInnovation

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DEPARTMENT OF RESEARCH AND DEVELOPMENT



TRAINING CERTIFICATE

This is to certify that Ms.Girijagamana Satish Hegde (4MH18IS030) bonafide student of Maharaja Institute of Technology, Mysore (MITM) in partial fulfillment for the award of "Training Certificate" in Department of Research and Development of the MAKERS TECH INNOVATION, Mysore during the year 2021-2022. It is certified that he/she has undergone internship during the time period from 08/03/2021 to 10/04/2021 of all working days corrections/suggestions indicated for internal validation have been incorporated in the report deposited to the guide and trainer. The training report has been approved as it satisfies the organizational requirements in respect of Internship training prescribed for the said qualification.

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TRAINING CERTIFICATE

This is to certify that Mr. Pavan Kumar E (4MH18ME058) bonafide student of Maharaja Institute of Technology, Mysore (MITM) in partial fulfillment for the award of "Training Certificate" in Department of Research and Development of the MAKERS TECH INNOVATION, Mysore during the year 2021-2022. It is certified that he/she has undergone internship during the time period from 08/03/2021 to 10/04/2021 of all working days corrections/suggestions indicated for internal validation have been incorporated in the report deposited to the guide and trainer. The training report has been approved as it satisfies the organizational requirements in respect of Internship training prescribed for the said qualification.

Signature of the Supervisor

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DEPARTMENT OF RESEARCH AND DEVELOPMENT



TRAINING CERTIFICATE

This is to certify that Mr. Aditya V Dhapte (4MU18CS003) bonafide student of Mysuru Royal Institute of Technology (MRIT) in partial fulfillment for the award of "Training Certificate" in Department of Research and Development of the MAKERS TECH INNOVATION, Mysore during the year 2021-2022. It is certified that he/she has undergone internship during the time period from 08/03/2021 to 10/04/2021 of all working days corrections/suggestions indicated for internal validation have been incorporated in the report deposited to the guide and trainer. The training report has been approved as it satisfies the organizational requirements in respect of Internship training prescribed for the said qualification.

Signature of the Supervisor

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SoftwareEngineer
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B.E.,

Sr. ProductionEngineer
Makers TechInnovation

ACKNOWLEDGEMENT

Thejoyandsatisfactionthataccompanythesuccessfulcompletionofanytaskwould be incomplete without the mention of the people who made itpossible.

We would like to express our gratitude to Team **Makers Tech Innovation** for providing us a congenial environment and also for having showed us the way to carry out the project.

We consider it a privilege and honor to express our sincere thanks to SyedaArbeenaKausar, (Supervisor), Department of Research & Development for his/her support and invaluable guidance throughout the tenure of this project.

We intend to thank all the Trainers of Department of Research & Development for their immense help and co-operation.

Finally, we would like to express our gratitude to our parents and friends who always stood by us.

SAMAR FATHIMA N
GIRIJAGAMANA SATISH HEGDE
PAVAN KUMAR E
ADITYA V DHAPTE

SKILLS LEARNT DURING THE TRAINING AND INTERNSHIP

BY SYEDA ARBEENA KAUSAR

PYTHON:

- > Python Installation & Importing packages Using 'Jupyter Notebook'
- ➤ Basics of PYTHON (Syntax, Indentations, Precedence)
- ➤ Data Structure & types:
 - Primitive: Ints, Floats, Boolean, Strings
 - Non Primitive: Arrays, Lists, Tules ,Dictionaries)
- ➤ Working with Strings & Lists
- Arrays using Numpy
- > Variables, Tokens, Identifiers
- ➤ Arithmetic & Logical Operations
- Flow Control, Condition & looping Statements(if, else, elif, for, while)
- > Functions
- > Exception handling
- Regular Expressions

APP DEVELOPMENT

- > Android-Studio-ide-201.7199119
- ➤ HelloWorld Basic app
- Messaging App

TAUGHT BY PRAJWAL

- ➤ Plotting Graphs in Python:
 - Plotting, Line Formatting, Multiple lines, Labeling axis's, Titles
 - Multiple Graphs; Plotting Sub-Graphs, Multiple & Sub Scatter plots
 - Clusters
 - Bar Graphs; Horizontal & Vertical

Machine Learning:

- ➤ Installing, Importing Libraries & Datasets (random, csv, panda, numpy, matplotlib)
- ➤ Working with CSV files
 - Weather forecasting Dataset
 - Iris Dataset
- > Polynomial Regression
- > Bayes
- > Find S Algorithm
- > Salary Data Program
- ➤ Simple linear Regression Programs (Importing Libraries, Datasets, Training & Visualizing the Simple Linear Regression model on the Training set)

IOT:

- ➤ BLYNK App
- > Introduction Class
- ➤ Wi-Fi Hacking (WiFi Phishing)

TAUGHT BY IRFAN KHALID

Java:

- ➤ Installation of applications & Creation of Environment Variables
- ➤ Basics of java
- > Exception handling
- Constructors
- > File reading and writing
- > Inheritance
- **Polymorphism**
- > Call by value and Call by reference and etc.,
- ➤ Interfaces (Command Line using notepad, Using Various IDEs)
- > Guidance on taking up java certification exams (Oracle University, I)
- > Introducing to various java learning platforms

https://javaranch.com/

https://learn.oracle.com/ols/course-list/82508

https://www.geeksforgeeks.org/java/?ref=shm

https://javabrains.io/

ADITYA V DHAPTE

COMPUTER SCIENCE ENGINEERING (STUDENT)

+91 8549971229 aditya.v.dhapte@gmail.com in in/aditya-dhapte-a7300318a/

SUMMARY

Enthusiast and young Science aspirant, motivated and with team leading skills. Persuing my computer science engineering. Eager in learning and knowing about new techs and methodologies. Willing to innovate

and driven towards trying to 'make a difference'.

EXPERIENCE

CUSTOMER ACQUISITION FOR BON

Bon (through Awign app) | Mysore | Jun 2019 - Present

Bon is a Pune-Based young Fin-tech firm creating financial services for self-employed, entrepreneurs & gig-economy workers(taxi drivers, DEs) who are underserved in India. since Bon tied up with Uber India to enable credit card disbursal; I have to onboard, approach & convince the Uber Drivers about Bon credit cards. I am learning the way to potray an idea or in this case a payment card and to manage to convince to use a modernized ways. I belive this brings up the percentage of credit card holders is brought up much higher than 1%.

MYNTRA (INTERNSHIP)

Myntra (through Awign app) | Mysore | Apr 2019 - May 2019

Online shopping site for Fashion & Lifestyle in India. I worked as an intern, to call SDAs (Delivery Executives) & enquire and digitally record the details in Awign app. I Managed to complete the maximum number of leads provided & it taught me the knack to catch speed of the whole process. My expert smart tech 'The OnePlus 3' helped me a lot, in multitasking and recording the data.

https://drive.google.com/file/d/1AfpDUMFCwQIJRDKdlm8bOV9D3htZpS9V/view?usp=drivesdk

MARKETING RESEARCH FOR GEBERIT (INTERNSHIP)

Geberit (through Awign app) | Mysore | Feb 2019 - Mar 2019

Geberit is a Swiss multinational leading manufacturer & supplier of sanitary parts in Europe with global presence. I managed to travel to the showrooms in the city and around to enquire-gather the necessary info and record it digitally in the AWIGN app. It was a new experience to learn time management, over come stress, travel distant & to converse professionally with the dealers. I had to survey the brands positive advertisement and collect data to help bring up the brand value I learned how to volunteer for the band and present myself accordingly. I got to know the actual marketing and its challenges faced by the sellers. The following site provides m Internship Certificate for marketing research for

Geberit: https://awign-production.s3.ap-south-1.amazonaws.com/internship/certificate/Aditya%20V%20Dhapte26-Jun-19-0126-38283.pdf

TRELL CAMPUS AMBASSADOR

Trell | Mysore | Dec 2018 - Jan 2019

Trell is India's one of the best upcoming community of lifestyle videos. Users are given a platform for public exposure to share their new experiences. As a campus ambassador for Trell I was primarily aimed at increasing awareness or engagement of more and more user for the app. I managed to bring about 40+ downloads for the app within 4 days or so and grow the brand community in campus by posting posters on various social sites,

SKILLS

Inquisitive

Interactive

Team Player

Leader

Proficiency

EDUCATION

B.E (Aug 2018 - Present)

Mysuru Royal Institute of Technology | 7.05(Pursuing) | Off Mysuru-Banagluru

Pre-university (11-12th) (Jun 2016 - Mar 2018)

Sadvidya Composite PU College | 71.5% | Narayana Shastri Road, Mysore

10th Grade (May 2015 - Apr 2016)

Savithri Convent | 89.9% | Dawood Khan Road, Ashoka Road Mysore

LANGUAGES

Marathi ()

Kannada ()

Hindi ()

English ()

Tamil (Intermediate)

Telugu (Intermediate)

create one-of-a-kind experiences to generate buzz & boost brand awareness through the students community. The following site provides a link to my experience letter issued to me: file:///C:/Users/Sri%20Ganesh/Desktop/Aditya/TRELL%20CERTIFICATE.pdf

VOLUNTEERING EXPERIENCE

Make A Difference (MAD) | Mysore | May 2019 - Jun 2019

Make A Difference (MAD) is a youth driven, non-profitable organisation working to ensure equitable outcomes for children in orphanages and street shelters. Profiles at MAD.

- Academic support
- Fundraising
- Wingman

Volunteer For a Cause (VFC) | Mysore

It is a group for volunteering on own will, initiating & supporting for various causes in Education, Disabilities, Environment & Animals, etc...

I volunteered as a writer for visually challenged Degree students in their examinations.

PROJECTS

ONLINE MEDICAL APPOINTMENT BOOKING APPLICATION

Mysuru Royal Institute of Technology | Palahally villaga, Laxmipura Road, S R Patna-Q, Mysore, Karnataka | Nov 2020 - Present

The Online Doctor Appointment Booking System PHP and Mysql is a simple project developed using PHP, JavaScript, and CSS. The project contains an admin and user sides.

VAN DE GRAFF GENERETOR

Sadvidya Composite PU College | Sadvidya Composite PU College, Narayana Shastri Road Mysore | Nov 2016 - Dec 2016

HOVER CRAFT

Savithri Convent | Dawood Khan Road, Ashoka Road Mysore | Sept 2016 - Oct 2016

undefined

PURIFYING THE GANGES (GANGA)

Savithri Convent | Dawood Khan Road, Ashoka Road Mysore | Jan 2015 - Jan 2015

undefined

MULTITASKED HYDROLIC TREE SHIFTER

Savithri Convent | Dawood Khan Road, Ashoka Road Mysore | Aug 2014 - Oct 2014

HOBBIES



Watching





Working

Binge

Singing

Running

PERSONAL DETAILS

Address

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Name: Samar Fathima.N

DOB: 04/08/2000

Contact No: 8867025503

Email: samarfathima2020@gmail.com

Address:

#4536, 2nd Cross, St. Mary's Road,

N.R Mohalla-570007

Mysore, Karnataka

Profile Summary:

Ambitious and self-esteemed Engineering fresher who is capable of applying technical skills for improvement of the company. Improving my technical skills with the help of graduation in Computer Science and Engineering and looking forward to work in a competitive environment that can boost my overall learning.

Education:

• **B.E**

Studying in Mysuru Royal Institute of Technology, Mysore since 2018, (CGPA-maintaining 6.11)

• PUC (June 2016 – March 2018)
Completed from Vidya Vikas Pre-University College, Mysore with 68.96%

• SSLC (June 2015 – April 2016)
Completed from Good Shepherd Convent High School, Mysore with 72.33%

Languages known:

Hindi, English and Kannada

Skills:

Punctual

Communicative

Co-operative

Hardworking

Hobbies:

Photography

Listening Music

Technical Skills:

• Database: Mysql

• Applications: MS Office, Spreadsheets, Social Media

• Servers: Apache

• Languages: C, Python, Sql

Projects:

• Online House Rental Management System



Girijagamana Satish Hegde

DOB: 01/04/2000

Contact No: 6363381180

Email: girijahegde2@gmail.com

Address:

#11/9, Arkanath Road, 3rd cross

Krishnaraja Nagara-571602

Mysore, Karnataka

Profile Summary:

Ambitious and self-esteemed Engineering fresher who is capable of applying technical skills for improvement of the company. Improving my technical skills with the help of graduation in Information Science and Engineering and looking forward to work in a competitive environment that can boost my overall learning.

Education:

• B.E

Studying in Maharaja Institute of Technology, Mysore since 2018. (CGPA-maintaining

8 and above)

• **PUC** (June 2016 – March 2018)

Completed from Sri Dharmasthala Pre-University College, Ujire with 83.16%

• **SSLC** (June 2015 – April 2016)

Completed from Sri Mahaganapathi High School, Kibballi with 93.92%

Languages Known:

Kannada, Hindi, English and Telugu

Skills:

Punctual

Communicative

Adaptability

Co-operative

Technical Skills:

• Database: Mysql

• Applications: MS Office, Spreadsheets, Social Media

• Servers: Apache

• Languages: C, Python, Sql

Projects:

- Insurance Management System
- Worked on Analog and Digital Electronics Project

Certification Courses:

- Webinar on Machine Learning Using Python: Beginner and Advance
- Participated in National Level E-Quiz Competition on C-Programming and Data Structures-2020
- Webinar on Digital Image Processing Using Matlab

Pavan Kumar E

DOB: 14/07/2000

Contact No: 8105676511

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Address:

#203, Devaiahana Hundi

Shrirampura 2nd stage

Mysore, Karnataka

Profile summary:

Ambitious and self-esteemed Engineering fresher who is capable of applying technical skills for improvement of the company. Improving my technical skills with the help of graduation in Information Science and Engineering and looking forward to work in a competitive environment that can boost my overall learning.

Education:

B.E

Studying in Maharaja Institute of Technology, Mysore since 2018. (CGPA-maintaining 7.5 and above)

PUC (June 2016 – March 2018)

Completed from Gopalaswamy Shishuvihara Independent P.U College, Mysore with 67.33%

• SSLC (June 2015 – April 2016)

Completed from Gopalaswamy Shishuvihara High School, Mysore with 84.96%

Languages Known:

Kannada, English

Skills:

- Punctual
- Communicative
- Adaptability
- Co-operative

Technical Skills:

- Solid Edge
- Solid Works
- Catia
- Ansys Workbench
- C-language
- Python

Hobbies:

- Karate
- Wrestling
- Listening Music
- Singing
- Drawing

Project:

- Bajaj Sai Indian Chassis
- Internship on Gasoline / Electric Formula Race Car Design & Development

ABSTRACT

The purpose of Menu-Driven Banking Management System is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Menu-Driven Banking Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to manage for good performance and better services for the clients.

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Menu-Driven Banking Management System	2021-2022

CHAPTER 1

INTRODUCTION

1.1 Overview

In this java program, we learn how to create a small project like banking system. In this program, we are using some of the banking related options like deposit, withdrawal etc.

This java program has the following main menu:

- 1. Display All
- 2. Search By Account
- 3. Deposit
- 4. Withdrawal
- 5. Exit

Initially, we will add some (N) customers to the bank and then we can display all account details using **menu 1**, **menu 2** is used to search the bank account, **menu 3** is used to deposit money in particular account, **menu 4** is used to manager withdrawal and **menu 5** is used to exit from the program. It supports following operations:

- deposit money
- · withdraw money
- check balance

Application is driven by a text menu.

The Domain "Banking System" keeps the day by day tally record as a complete banking. It can keep the information of Account type, account opening form, Deposit, Withdrowal, and Searching the transaction, Transaction report, Individual account opening form, Group Account. The exciting part of this project is; it displays Transaction reports, Statistical Summary of Account type and Interest Information.

"Banking System" keeps the day by day tally record as a complete banking. It cankeep the information of Account Holders, Deposit, Withdrawal, and Searching the account holder details, Amount Transfer. The exciting part of this project is; it displays Transaction reports, Statistical Summary of Account type and Interest Information.

1.1 AIM

In the existing system the transactions are done only manually but in proposed system we have to computerize all the banking transaction using the softwareBanking System. They are: Administrative Module

ADMINISTRATIVE MODULE

This is the main module which performs all the main operations in the system. The major operations in the system are:

- ➤ Account Users Creation
- > Searching by Account Number
- Deposit
- Withdrawal
- ➤ Amount Transfer
- > Exiting

1.2 SCOPE

As the application of project is regarding banking, we used "JAVA" a simple, object-oriented, interpreted, robust, secure, architecture neutral, portable, high performance, multithreaded dynamic language.

In this project we are going to deal the existing facts in the bank i.e.; the transactions which takes place between customer and bank.

The purpose of this project is in partial fulfilment of the requirements of customer using the simple banking system for managing customer's money. The Design and development of this Bank Management system provides a more secured systematic approach in managing bank customer's information which strengthens the Banker's management by providing the right solutions that uses multiple-levels to improve customer satisfaction. The programming language used to develop this project is. Java.

The Domain "Banking Management System" keeps the tally record as a simple banking application. It can keep the information of Account Holders, Deposit, Withdrawal, Transfer and Searching by account number. The exciting part of this project is; it displays Transaction reports, Account Holder info and Searching by account number.

Thins Java program had following main menus:

- 1. Display All Account Holders info
- 2. Funds Transfer to another account in the same bank
- 3. Search by Account Number
- 4. Deposit Amount
- 5. Withdrawal of Amount
- 6. Exit

CHAPTER 2

LITERATURE SURVEY

The term "Banking Technology" refers to the use of sophisticated information and communication technologies together with computer science to enable banks to offer better services to its customers in a secure, reliable and affordable manner and sustain competitive advantage over other banks. Banking Technology also subsumes the activity of using advanced computer algorithms in unraveling the patterns of customer behavior by sifting through customer details such as demographic, psychographic and transactional data. This activity also known data mining, helps banks achieve their business objectives by solving various marketing problems such as customer segmentation, customer scoring, target marketing, market-basket analysis, cross-sell, up-sell, customer retention by modeling churn etc. Successful use of data mining helps banks achieve significant increase in profits and thereby retain sustainable advantage over their competitors. From theoretical perspective, Banking Technology is not a single, stand-alone discipline, but a confluence of several disparate fields such as finance (subsuming risk management), information technology, communication technology, computer science and marketing science.

From the functional perspective, Banking Technology has three important dimensions. They are as follows: (i) The use of appropriate hardware for conducting business and servicing the customers through various delivery channels and payments systems and the associated software constitutes one dimension of Banking Technology. The use of computer networks, security algorithms in its transactions, use of ATM and credit cards, Internet banking, telebanking and mobile banking are all covered by this dimension. The advances made in information and communication technologies take care of this dimension. (ii) On the other hand, the use of advanced computer science algorithms to solve several interesting marketing related problems such as customer segmentation, customer scoring, target marketing, market-basket analysis, cross-sell, up-sell and customer retention etc. faced by the banks to reap profits and outperform their competitors constitutes the second dimension of Banking Technology. This dimension covers the implementation of a data warehouse for banks and conducting data mining studies on customer data. (iii) Moreover, banks cannot ignore the risks that arise in conducting business with other banks and servicing their customers, for otherwise, their very existence would be at stake.

The quantification, measurement, mitigation and management of all the kinds of risks that banks face constitutes the third important dimension of Banking Technology. The above dimension covers the process of measuring and managing credit risk, market risk and operational risk. Thus, in a nutshell, in the word 'Banking Technology', 'banking' refers to the economic, financial, commercial and management aspects of banking while 'technology' refers to the information and communication technologies, computer science and risk quantification and measurement aspects. Banks are traditionally reticent to change, so when faced with the option of completely rebuilding from scratch or overhauling and updating existing systems, the answer should be clear: it takes fewer resources and is less time consuming to update current systems. In menu driven banking application it provides list of operations which we can use easily. It simplifies the work and also provides a better service.

CHAPTER 3

REQUIREMENT ANALYSIS

3.1 SOFTWARE REQUIREMENTS:

The major software requirements of the project are as follows:

Language:

Java

Operating system: Windows Xp or later.

Java:

Java is a high-level programming language developed by Sun Microsystems. It was originally designed for developing programs for set-top boxes and handheld devices, but later became a popular choice for creating web applications.

The Java syntax is similar to C++, but is strictly an object-oriented programming language. For example, most Java programs contain classes, which are used to define objects, and methods, which are assigned to individual classes. Java is also known for being more strict than C++, meaning variables and functions must be explicitly defined. This means Java source code may produce errors or "exceptions" more easily than other languages, but it also limits other types of errors that may be caused by undefined variables or unassigned types.

Unlike Windows executables (.EXE files) or Macintosh applications (.APP files), Java programs are not run directly by the operating system. Instead, Java programs are interpreted by the Java Virtual Machine, or JVM, which runs on multiple platforms. This means all Java programs are multiplatform and can run on different platforms, including Macintosh, Windows, and Unix computers. However, the JVM must be installed for Java applications or applets to run at all. Fortunately, the JVM is included as part of the Java Runtime Environment (JRE), which is available as a free download.

3.2 HARDWARE REQUIREMENTS:

The hardware requirements that map towards the software are as follows:

RAM: 256MB

Processor: Intel

Keyboard

Mouse.

Intel Processor:

Intel Core are streamlined midrange consumer, workstation and enthusiast computers central processing units (CPU) marketed by Intel Corporation. These processors displaced the existing mid- to high-end Pentium processors at the time of their introduction, moving the Pentium to the entry level, and bumping the Celeron series of processors to the low end. Identical or more capable versions of Core processors are also sold as Xeon processors for the server and workstation markets.

As of June 2017, the lineup of Core processors includes the Intel Core i3, Intel Core i5, Intel Core i7, and Intel Core i9, along with the X-series of Intel Core CPUs

The first products receiving this designation were the Core Solo and Core Duo Yonah processors for mobile from the Pentium M design tree, fabricated at 65 nm and brought to market in January 2006. These are substantially different in design than the rest of the Intel Core product group, having derived from the Pentium Pro lineage that predated Pentium 4.

The first Intel Core desktop processor—and typical family member—came from the Conroe iteration, a 65 nm dual-core design fabricated brought to market in July 2006, based on the Intel Core microarchitecture with substantial enhancements in microarchitectural efficiency and performance, outperforming Pentium 4 across the board (or near to it), while operating at drastically lower clock rates. Maintaining high instructions per cycle (IPC) on a deeply pipelined and resourced out-of-order execution engine has remained a constant fixture of the Intel Core product group ever since.

CHAPTER 4

IMPLEMENTATION

4.1 PROJECT CODE:

```
import java.util.Scanner;
class Bank {
  private String accno;
  public String name;
  private long balance;
      public long tbalance;
  Scanner KB = new Scanner(System.in);
  //method to open an account
  void openAccount() {
            System.out.print("Enter Name: ");
    name = KB.nextLine();
System.out.print("Enter Account No: ");
accno = KB.next();
System.out.print("Enter Balance: ");
    balance = KB.nextLong();
  }
  //method to display account details
  void showAccount() {
==");
System.out.println("Account Number:"+accno );
      System.out.println("Account Holder Name:"+name );
      System.out.println("Account Balance:"+balance );
```

```
}
 //method to deposit money
  void deposit(int trans) {
            if(trans==1)
            {
    long amt;
System.out.println("Enter Amount U Want to Deposit: ");
    amt = KB.nextLong();
    balance = balance + amt;
            }
            else if(trans==2)
            {
            long amt;
System.out.println("Confirm the Amount U Want to Deposit: ");
    amt = KB.nextLong();
    balance = balance + amt;
            }
  }
 //method to withdraw money
  void withdrawal() {
    long amt;
System.out.println("Enter Amount U Want to withdraw: ");
    amt = KB.nextLong();
    if (balance >= amt) {
      balance = balance - amt;
```

```
} else {
System.out.println("Less Balance..Transaction Failed..");
     }
  }
       //method to tranfer money
       void transfermoney()
       {
              long amt;
System.out.println("Enter Amount U Want to transfer: ");
     amt = KB.nextLong();
              tbalance=amt;
    if (balance >= amt) {
       balance = balance - amt;
     } else {
System.out.println("Less Balance..Transaction Failed..");
     }
       void recievemoney()
       {
deposit(2);
              System.out.println("Money has been transfered sucessfully");
       }
  //method to search an account number
booleansearch(String acn) {
    if (accno.equals(acn)) {
showAccount();
       return (true);
```

```
}
   return (false);
  }
}
interface Welcome {
     void Welcomenote();
     void ThankyouNote();
}
public class Exbank implements Welcome{
     public voidWelcomenote()
          System.out.println("-----");
          System.out.println("-------");
     public void ThankyouNote()
          System.out.println("-----");
          System.out.println("------");
     }
 public static void main(String arg[]) {
   Scanner KB = new Scanner(System.in);
          Exbank T = new Exbank();
          T.Welcomenote();
   //create initial accounts
```

System.out.print("How Many Customer U Want to Input: ");

```
int n = KB.nextInt();
    Bank C[] = new Bank[n];
    for (int i = 0; i < C.length; i++) {
System.out.print("Enter Information for Customer ");
                  System.out.println(i+1);
      C[i] = new Bank();
      C[i].openAccount();
      ===");
    }
    try
            {
   //run loop until menu 6 is not pressed
   int ch;
   do {
System.out.println("-------Main Menu-----\n 1.Display All\n 2.Search
By Account Number\n 3.Deposit\n 4.Withdrawal\n 5.Transfer\n 6.Exit \n------
----");
System.out.println("Ur Choice :"); ch = KB.nextInt();
        switch (ch) {
          case 1:
            for (int i = 0; i < C.length; i++) {
                  System.out.println("=====Customer
"+(i+1)+"======="");
              C[i].showAccount();
            }
            break;
          case 2:
System.out.print("Enter Account No U Want to Search...: ");
```

```
String acn = KB.next();
boolean found = false;
               for (int i = 0; i < C.length; i++) {
                  found = C[i].search(acn);
                  if (found) {
                    break;
                  }
               }
               if (!found) {
System.out.println("Search Failed..Account Not Exist..");
               }
               break;
             case 3:
System.out.print("Enter Account No : ");
acn = KB.next();
               found = false;
               for (int i = 0; i < C.length; i++) {
                  found = C[i].search(acn);
                  if (found) {
                    C[i].deposit(1);
                    break;
                  }
               }
               if (!found) {
System.out.println("Transaction Failed..Account Not Exist..");
               }
               break;
```

```
case 4:
System.out.print("Enter Account No:");
acn = KB.next();
               found = false;
               for (int i = 0; i < C.length; i++) {
                  found = C[i].search(acn);
                  if (found) {
                    C[i].withdrawal();
                    break;
               if (!found) {
System.out.println("Transaction Failed..Account Not Exist..");
               }
               break;
                                      case 5:
                                      System.out.print("Enter Senders Account No : ");
acn = KB.next();
               found = false;
               for (int i = 0; i < C.length; i++) {
                  found = C[i].search(acn);
                  if (found) {
                    C[i].transfermoney();
                    break;
                  }
               }
               if (!found) {
```

System.out.println("Transaction Failed..Account Not Exist..");

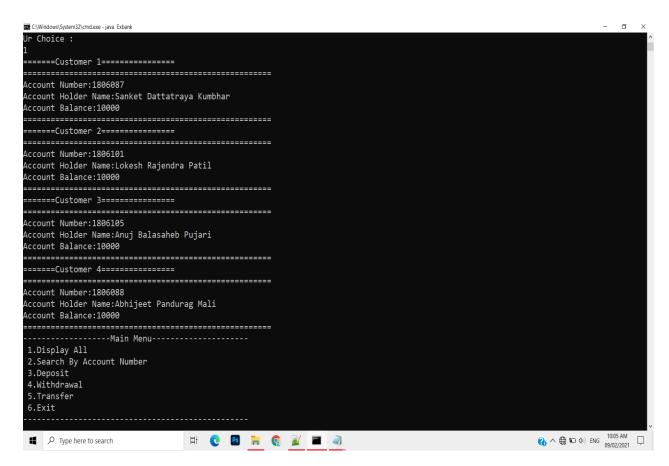
```
}
                                            System.out.print("Enter RecieversNo : ");
acn = KB.next();
              found = false;
              for (int i = 0; i < C.length; i++) {
                 found = C[i].search(acn);
                 if (found) {
                   C[i].recievemoney();
                   break;
              if (!found) {
System.out.println("Transaction Failed..Account Not Exist..");
               }
              break;
            case 6:
                                     T.ThankyouNote();
System.out.println("...Visit Again....");
              break;
                                default:
                                     System.out.println("-----Invalid input-----
----");
                                            break;
          }
```

```
}
    while (ch != 6);
}
    catch(Exception e)
    {
        System.out.println(e);
    }
}
```

CHAPTER 5

SNAPSHOTS

5.1 OUTPUT:



5.1.1 Choice 1

```
Enter Account No U Want to Search...: 1806105
Account Number:1806105
Account Holder Name:Anuj Balasaheb Pujari
Account Balance:10000
      -----Main Menu-----
   1.Display All
2.Search By Account Number
   3.Deposit
   4.Withdrawal
  6.Exit
Ur Choice :
Enter Account No U Want to Search...: 1806086
Search Failed..Account Not Exist..
                                      ------Main Menu-----
   1.Display All
   2. Search By Account Number
   3.Deposit
   4.Withdrawal
    5.Transfer
   6.Exit
Ur Choice :
                                                                                                                               日 😍 📴 🙀 🖺 🥥
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (4) ∧ (2) 10:06 AM (10:06 AM (10:06
   Type here to search
```

5.1.2 Choice 2

```
1.Display All
2.Search By Account Number
3.Deposit
4.Withdrawal
6.Exit
Enter Account No : 1806087
_____
Account Number:1806087
Account Holder Name:Sanket Dattatraya Kumbhar
Account Balance:10000
-----
Enter Amount U Want to Deposit :
1000
     ------Main Menu-----
1.Display All
2.Search By Account Number
Deposit
4.Withdrawal
5.Transfer
6.Exit
Ur Choice :
=====Customer 1========
Account Number:1806087
Account Holder Name:Sanket Dattatraya Kumbhar
Account Balance:11000
                                                                       (10:08 AM (10) ENG 09/02/2021 □
Type here to search
                         H 😍 📴 📜 💿 🗾 🗻
```

5.1.3 Choice 3

```
.....
-----Main Menu-----
1.Display All
2. Search By Account Number
3.Deposit
4.Withdrawal
5.Transfer
6.Exit
Ur Choice :
Enter Account No : 1806105
._____
Account Number:1806105
Account Holder Name:Anuj Balasaheb Pujari
Account Balance:10000
Enter Amount U Want to withdraw :
-----Main Menu-----
1.Display All
2.Search By Account Number
3.Deposit
4.Withdrawal
5.Transfer
                                                                 (1) ∧ (1) €NG 10:11 AM 09/02/2021 □
Type here to search
                    H 😍 🖪 🥷 📓 🔳 🥥
```

5.1.4 Choice 4

```
----Main Menu-----
1.Display All
2.Search By Account Number
3.Deposit
4.Withdrawal
5.Transfer
6.Exit
Ur Choice :
Enter Senders Account No : 1806087
Account Number:1806087
Account Holder Name:Sanket Dattatraya Kumbhar
Account Balance:11000
Enter Amount U Want to transfer :
1000
Enter Recievers No : 1806101
Account Number:1806101
Account Holder Name:Lokesh Rajendra Patil
Account Balance:100<u>00</u>
                 -----
Confirm the Amount U Want to Deposit :
1000
Money has been transfered sucessfully
                                                                             (10:12 AM 09/02/2021 □
                       태 😍 🖪 🍖 📓 🔳 🥥
```

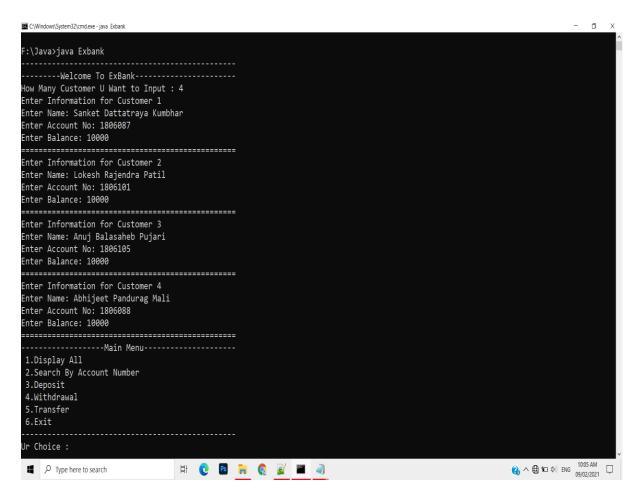
5.1.5 Choice 5

```
2.Search By Account Number
3.Deposit
4.Withdrawal
5.Transfer
6.Exit
Ur Choice :
-----Invalid input------
-----Main Menu-----
1.Display All
2.Search By Account Number
3.Deposit
4.Withdrawal
5.Transfer
6.Exit
Ur Choice :
-----Thank You For using Ex-bank------
...Visit Again.....
Type here to search
             日 🖰 🔞 🦬 🍖 📓 🔳 🥥
                                                              (10:13 AM 09/02/2021 □
```

5.1.6 Choice 6

```
------
1.Display All
2.Search By Account Number
3.Deposit
4.Withdrawal
5.Transfer
6.Exit
Ur Choice :
-----Invalid input------
-----Main Menu-----
1.Display All
2.Search By Account Number
3.Deposit
4.Withdrawal
5.Transfer
6.Exit
Ur Choice :
                                                      (10:13 AM 09/02/2021 □
                 H 😍 🖭 🦷 😭 📓 🖼 🥥
Type here to search
```

5.1.7 Choice 7



5.1.8 Accounts details

CHAPTER 6

CONCLUSION

- Menu-Driven Banking Management System is simple console based, command-line interfaced desktop application project for bankingmanagement using java.
- ➤ Coding this java program taught about creation of a simple menu driven banking management system. And important aspects of programming such as
- ➤ Methodical transaction in the banking can be made faster and easier by computerized approach towards banking.
- ➤ This Banking system will serve as useful approach to deposit and withdraw the money for the person.
- ➤ It reduces the time by the user to save the money.
- ➤ Banking Management System is user friendly.
- > It reduces manual work.

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