MINI PROJECT REPORT

MILANO FOODS (PVT)Ltd.

COURSE CODE : EEX3417
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REG NO : 119215708
DUE DATE :2020.02.05

CONTENTS

Payroll system is the heart of any Human Resource System of an organization. The solution has to take care of the calculation of salary as per rules of the company, income tax calculation and various deductions to be done from the salary including statutory deductions like Income tax and provident fund
deductions. It has to generate pay-slip, cheque summary and MIS reports.
It is understood that we are tired of managing thousands of odd papers, pay slips,
payroll reports, and salary details and so on. Imagine that we have a payroll processing system which will generate our pay slips and payroll reports within seconds. We can help others automated your payroll system by developing a customized payroll application that suits your specific requirements. Payroll system is the heart of any Human Resource System of an
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PURPOSE:

Main aim of developing Employee Payroll Management is to provide an easy way
not only to automate all functionalities involved managing leaves and Payroll for
the employees of Company, but also to provide full functional reports to management of Company with the details about usage of leave facility and Salaries paid or to be paid to employees.

02.REQUIREMENT ANALYSIS

Requirement Analysis, also known as Requirement Engineering, is the process of defining user expectations for a new software being built or modified.
In software engineering, it is sometimes referred to loosely by names such as requirements gathering or requirements capturing.
Requirements analysis encompasses those tasks that go into determining the needs or conditions to meet for a new or altered product or project, taking account of the possibly conflicting
requirements of the various stakeholders, analyzing, documenting, validating and managing software or system requirements.
Here are the objectives for performing requirement analysis in the early stage of a software project:

01.Use case diagram

Restaurant : MILANO FOODS (pvt) Ltd.
Address : No.314, Matale Road, Akurana.

02.User requirements

The user requirement was captured by interviewing the stake holders and by observation

User Requirements	
Admin Login	All employee should be able to log into the web application using a valid user name and a password
Employee Details	The Employee must enter his user ID and other required details
Calculate Payment	Employee's payments should be calculated by software
Income report	The monthly Income report should be produced at the end of each and every month
Monthly Payments	The member should be able to pay the payments

03.System Requirement

Hardware	Software
➢ RAM 2GB ➢ Hard Drive 512GB ➢ PC/Laptop's ➢ VGA 512GB ➢ Windows 7,10	➢ XAMPP ➢ JAVA ➢ NETBEANS

04.Problem over review

Payroll is defined as a method of administrating employees' salaries in the organizations. The process consists of calculation of salaries and tax deductions of
the employees, administrating the retirement benefits and disbursements of salaries to employees. It can also be called as an accounts activity which undertakes
the salary administration of employees in the organization.
Administrating the employees' salaries is not an easy task, the HR and accounts
department work together to calculate and disburse the salary to the employees.
Thus, payroll management can be further subdivided into two sub processes, i.e.
Payroll accounting and payroll administration.

05.Environment

New system must run on the Admins computer

06.Functional Specification

With regards to payroll system the administration maintains files of records of employee's recodes and payments.

0.7Main Functions

Initialize
Loading system at the start of the day check for the presence of database

Add user
Enter the record of a new member, address, phone number and other details

Delete user
Employee who have left from our shop can be removed from members file.

Display
Display on screen full details of user selected by ID or by name and address. etc.

System backup
Make 2 backup copies of all working.

Case down system
Shut down the system at the end of the day

08.Non – Functional Requirements

Usability: payroll system will have user interface designed to allow new members to learn to use it in at most few days
Reliability: Since calculations are involved high reliability of system should be able to run all reconnect functions and generate correct out put

Project constraints
Monthly payment due date will be ……..
Total income will exceed……..

Security
This is to ensure that all data and information is well protected by un authorized use.

Performance
Quick response should be to user once you access the system

Maintainability
Ability to add or remove new sort of functions without any kind of distraction or any kind of distraction or difficulties.

Actor glossary
There are 2 main types of actors in this swimming club system

1. Employee
2. Admin

Actor	Description
Employee	The individual who get payments transactions with Admin and get work done through the system
Administration	The main individual / individuals who take control financial and all other monthly activity. He is the individual one who make all sort of decisions regarding financial factors which loan deduction , festival allowances , overtime allowance ,leave deduction

03. HIGH-LEVEL DESIGN

A success full software should focus on the purpose of the construction site, determining all the functionality of the site, determining site scale investment cost etc. The design of the system shall be carried out in accordance with the following principle.

i. Validity
ii. Reliability
iii. Use of standard techniques
iv. Advances

Purpose of the high-level design

- Preliminary Design – In this part we need to size the project and the to identify the parts of the project that may be risky or time consuming
- Design overview – As the project proceed we need to provide an overview of how sub system a component of system fit together

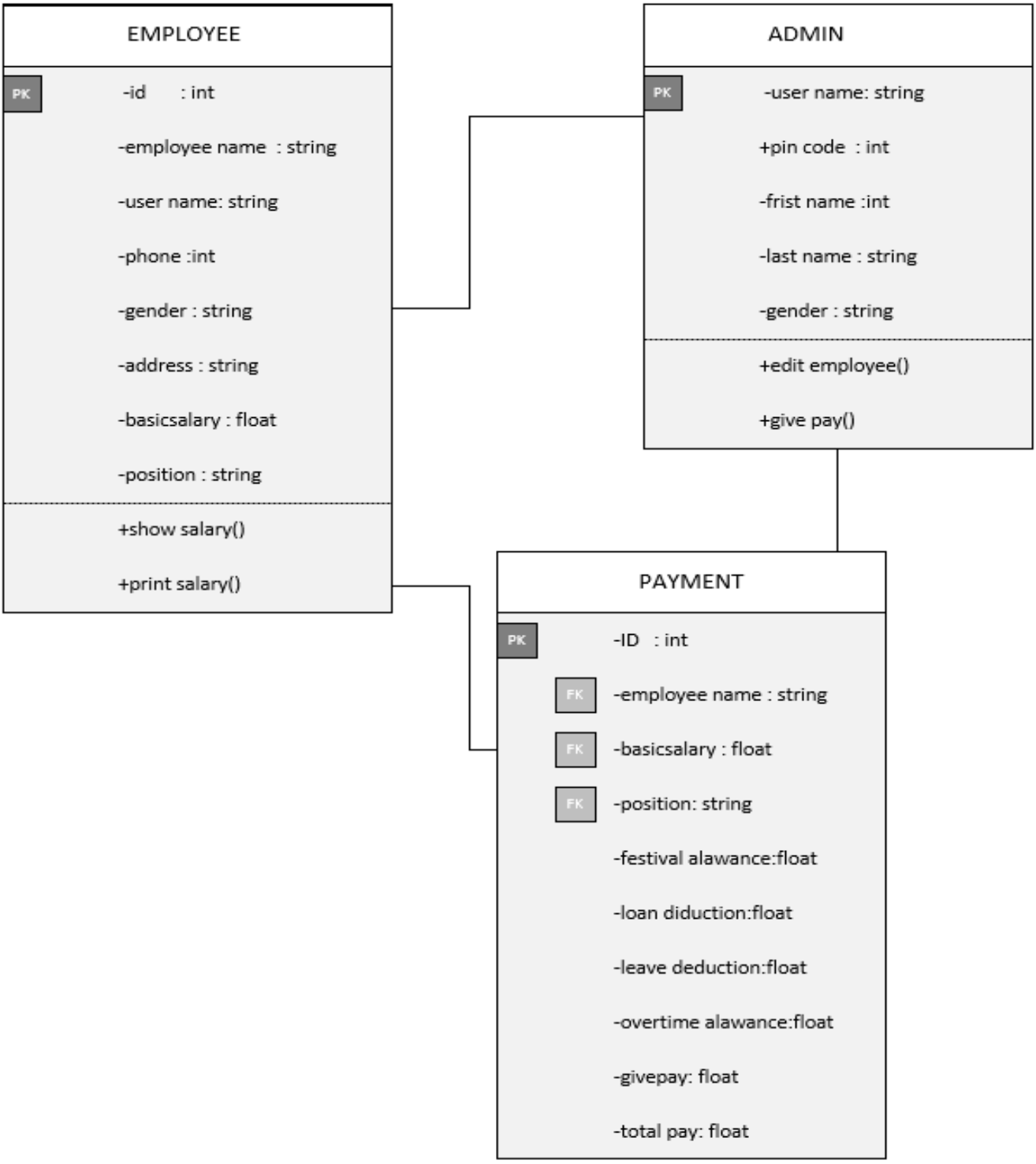
Class diagram comes under the high-level design. There help to analyses the project and eases the work as said in the purpose of high-level design.

In my payroll system classes are:

- Login Manu
- Employee signup
- Employee login
- Admin signup
- Employee details edit
- Calculate payments
- Monthly Payment report

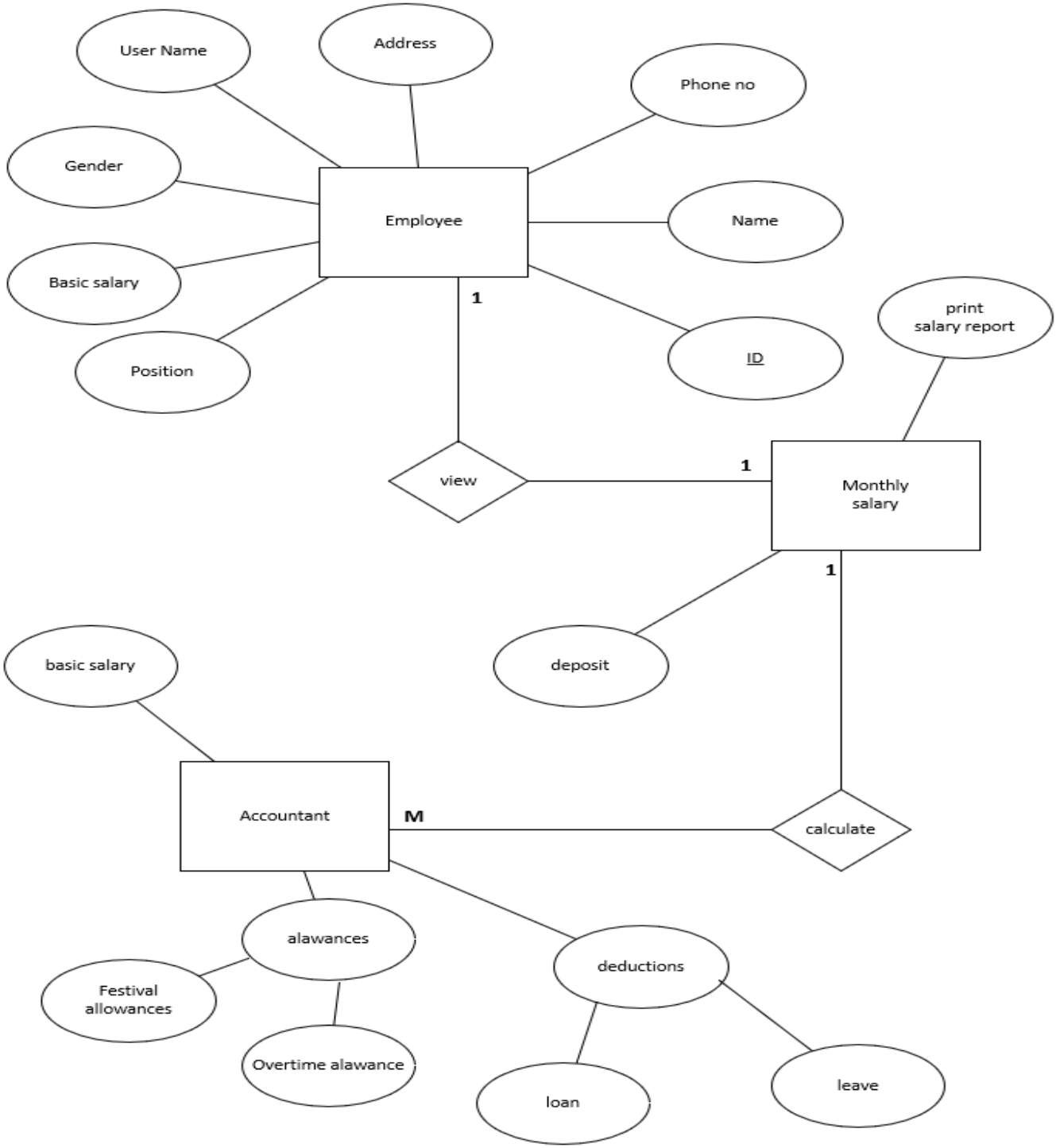
Class diagram

It is an important phase when designing a new system. It shows how concepts are involved in new system. It provides a kind of representation the data base design and ER diagram have a significant influence on class diagram. Here the attributes Classes of each table is shown below



04.DATA MODELLING

It is the process of creating a data model for the data to be stored in data base. It is a conceptual representation of data objects the association between different data object and rules data modelling helps in visual representation of data end enforces business rules and regulatory compliances and government policies on data. Data models ensure consistency in naming conversion difficult, values, security while ensuring the quality of data



Normalization

✓ All the requirements of the normalization have been fulfilled as much as possible hence an additional normalization is not necessary

✓ The requirements of the normalization are mentioned here

1st Normal Form

- Each column should contain atomic (single) values.
- A column should contain values that are of the same type.
- Each column should have a unique name.
- Order of data stored is doesn't matter.

2nd Normal Form

- It should be in 1st normal form.
- It should not have Partial dependencies
- 3rd Normal Form
- It should be in 2ND
- It should not have transitive dependencies

05.DETAIL DESIGN

Conceptual design itself is not the end of the design process rather it serves a basis for the basis detailed MS design. Main objective of detailed design system is to prepare a blue print of the system that meet the goals of conceptual system design requirements. Detail system design involves the following phases.

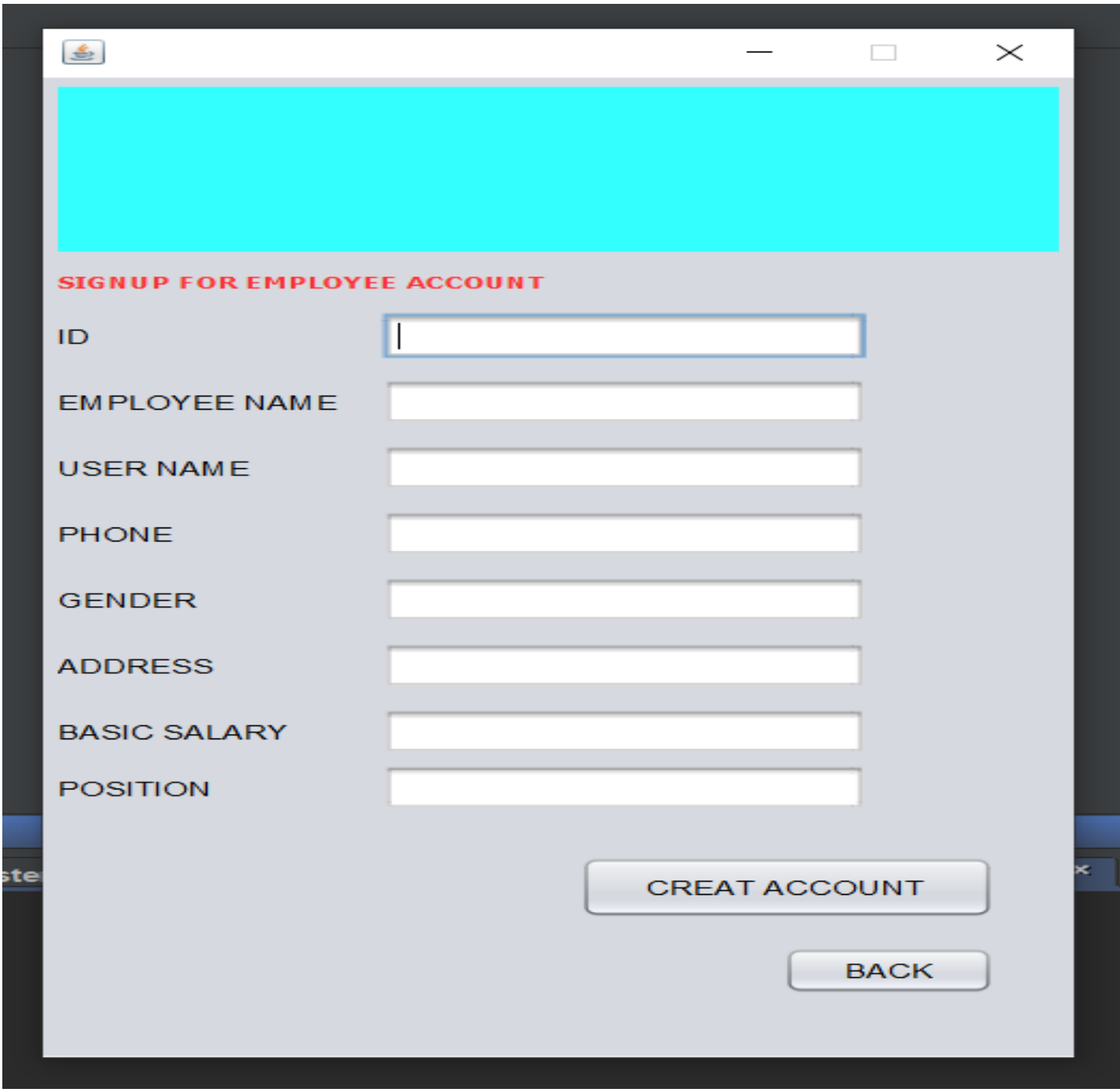
- Project planning and control
- Defined detail sub system
- Input / output design
- Data base design
- Procedure design
- Design document

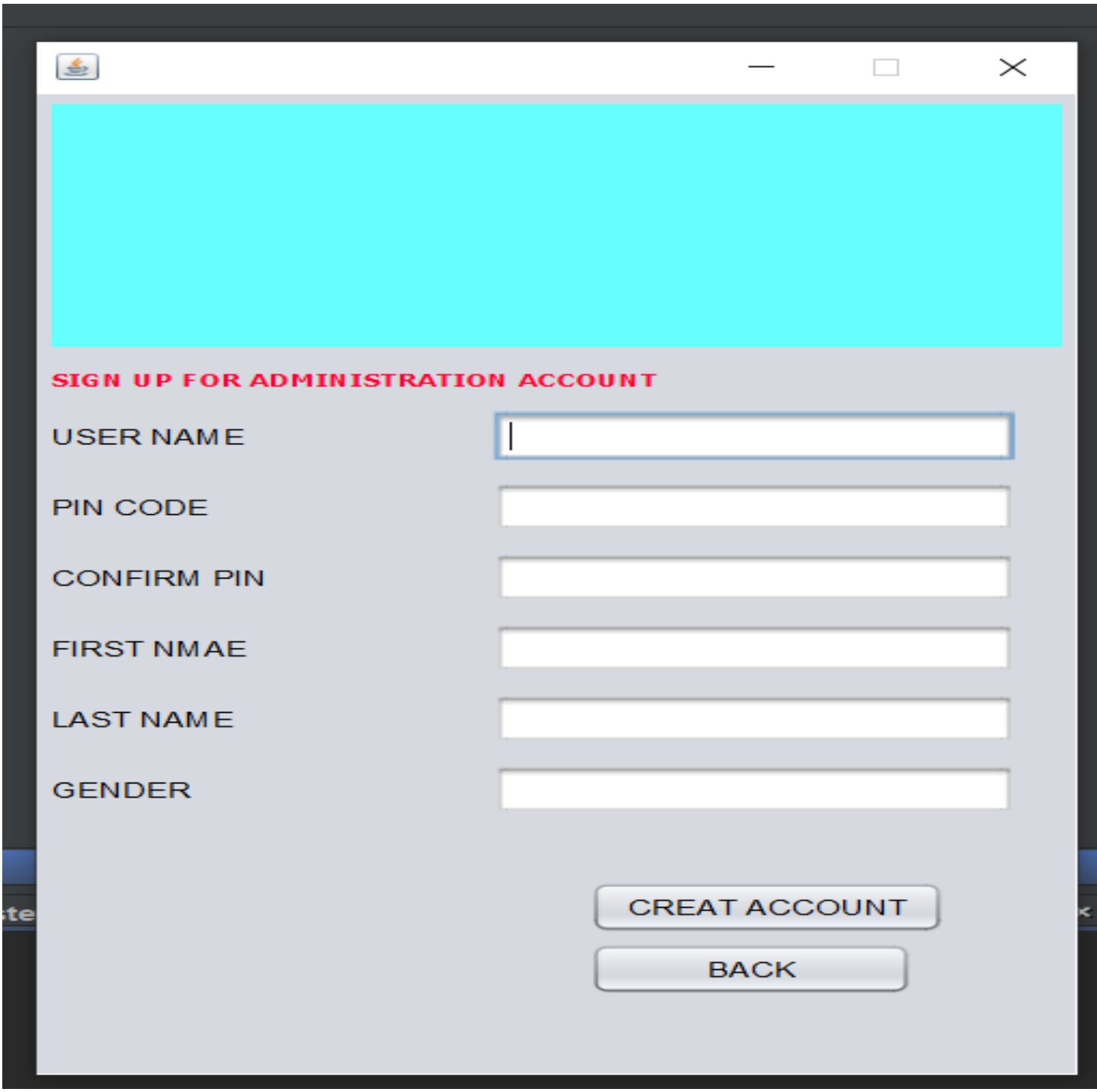
Graphical User Interface

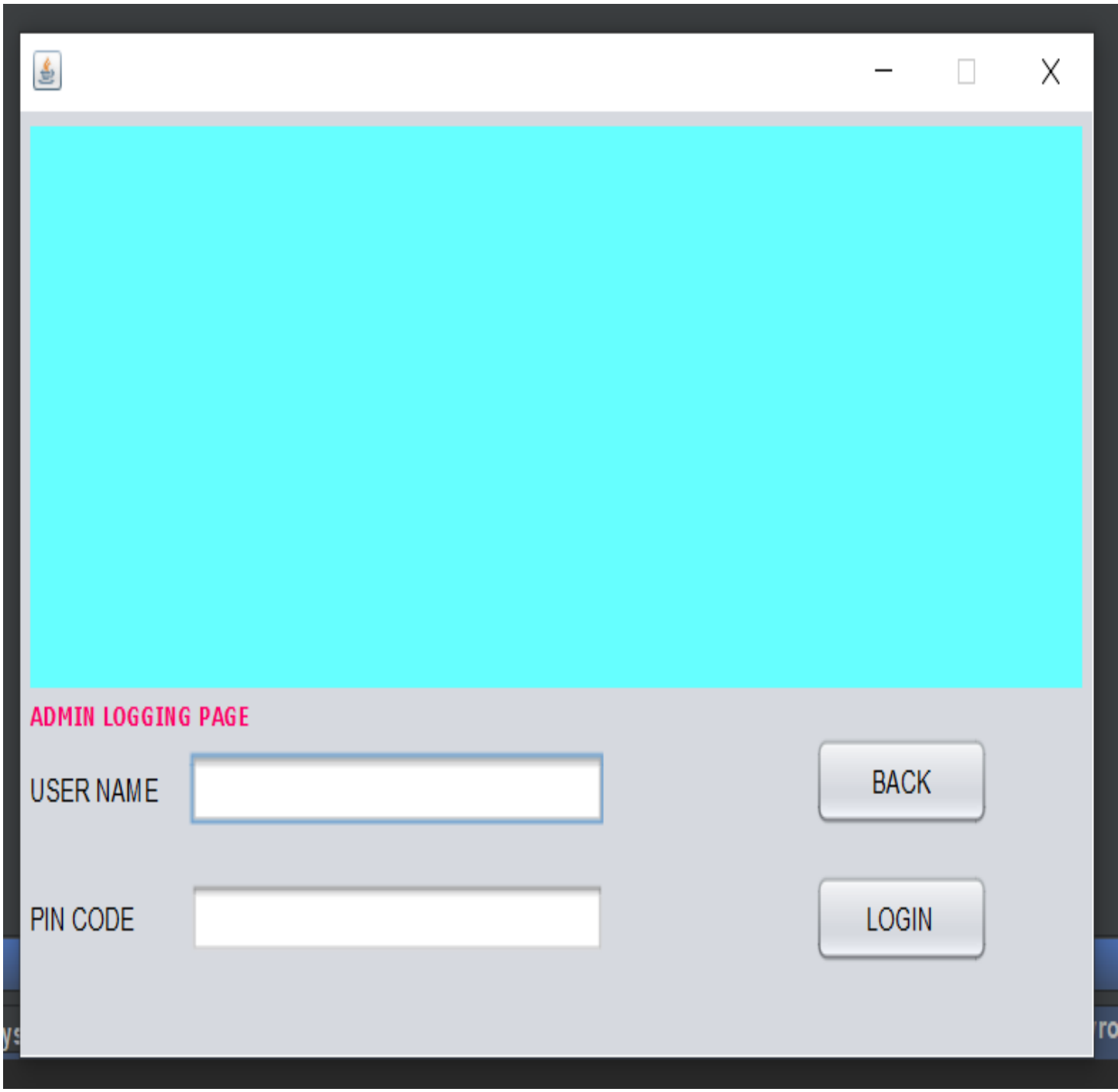
A graphical user interface (GUI) is an interface through which a user interacts with electronic devices such as computers, hand-held devices and other appliances.
This interface uses icons, menus and other visual indicator (graphics) representations to display information and related user controls, unlike text-based interfaces, where data and commands are in text.
GUI representations are manipulated by a pointing device such as a mouse, trackball, stylus, or a finger on a touch screen.
The need for GUI became apparent because the first human/computer text interface was through keyboard text creation by what is called a prompt (or DOS prompt). Commands were typed on a keyboard at the DOS prompt to initiate responses from a computer.
The use of these commands and the need for exact spelling created a cumbersome and inefficient interface

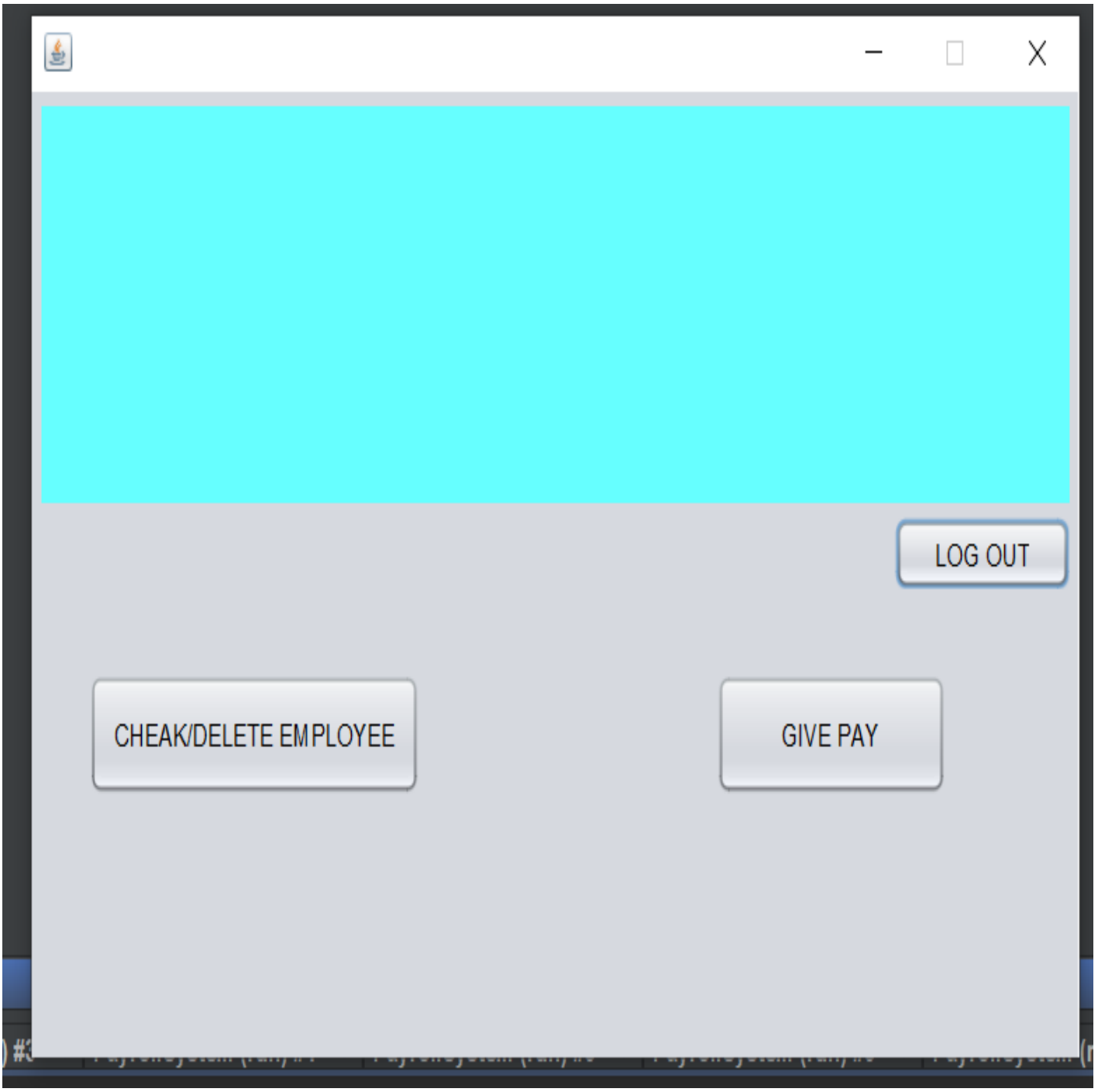

EEX3417 MINIPROJECT
MILANO FOODS (PVT) Ltd.
Fresh From The Oven
CONTINUE
REG no : 1192151708
NAME : THASNEEM

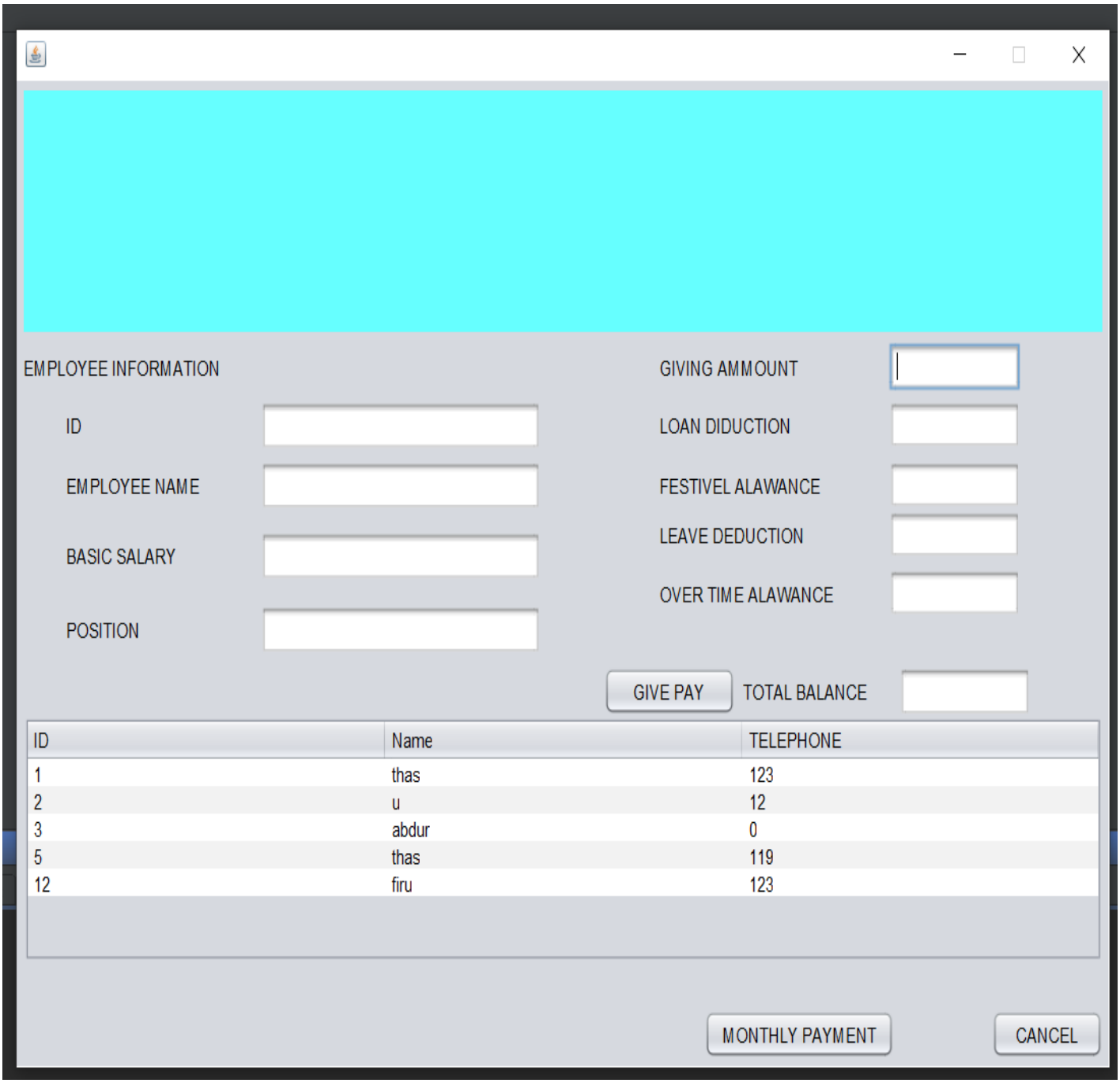

CONTINUE AS ADMIN
SIGN UP FOR EMPLOYEE
SIGN UP FOR ADMIN

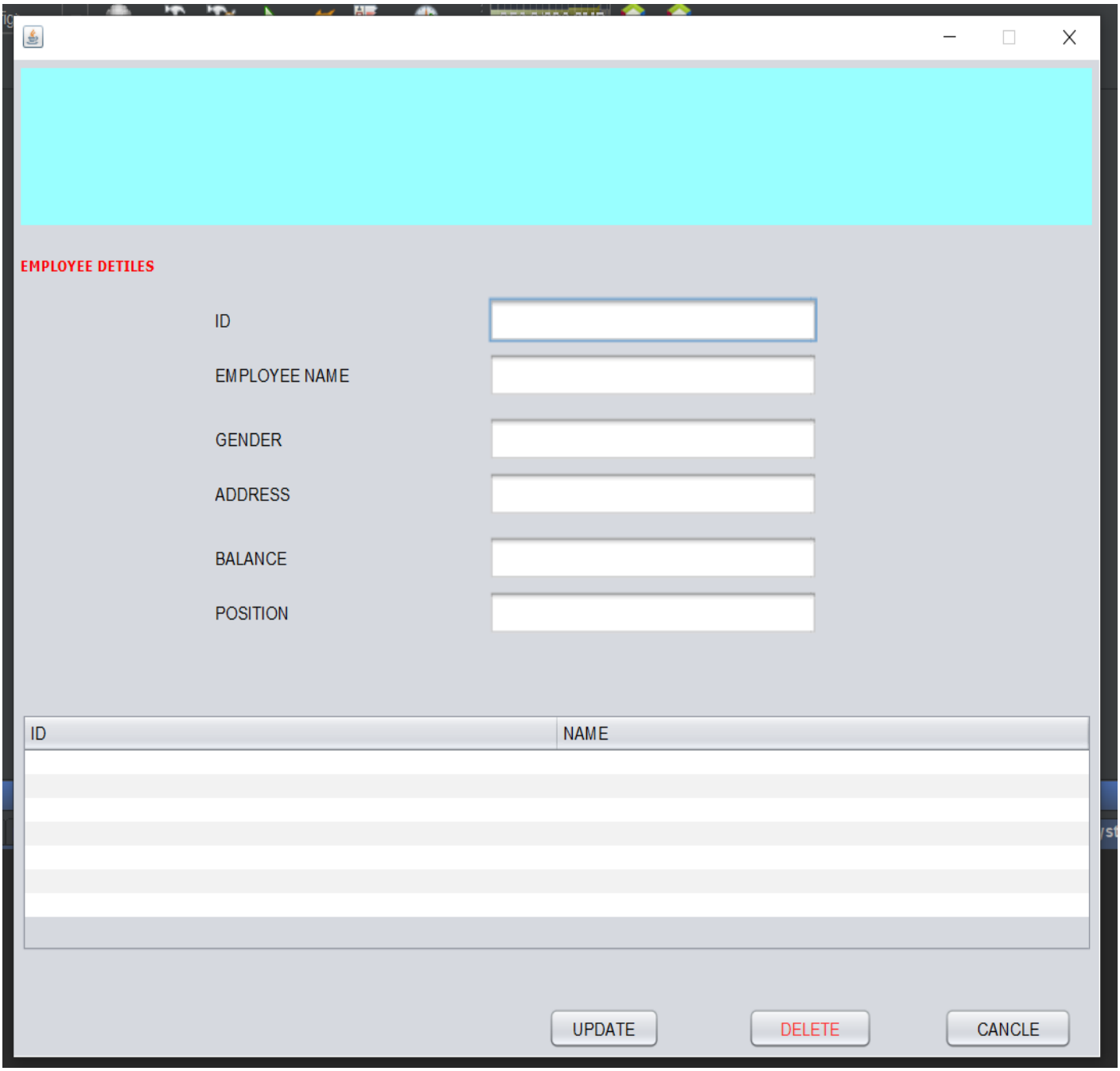

SIGNUP FOR EMPLOYEE ACCOUNT
ID
EMPLOYEE NAME
USER NAME
PHONE
GENDER
ADDRESS
BASIC SALARY
POSITION
CREAT ACCOUNT
BACK

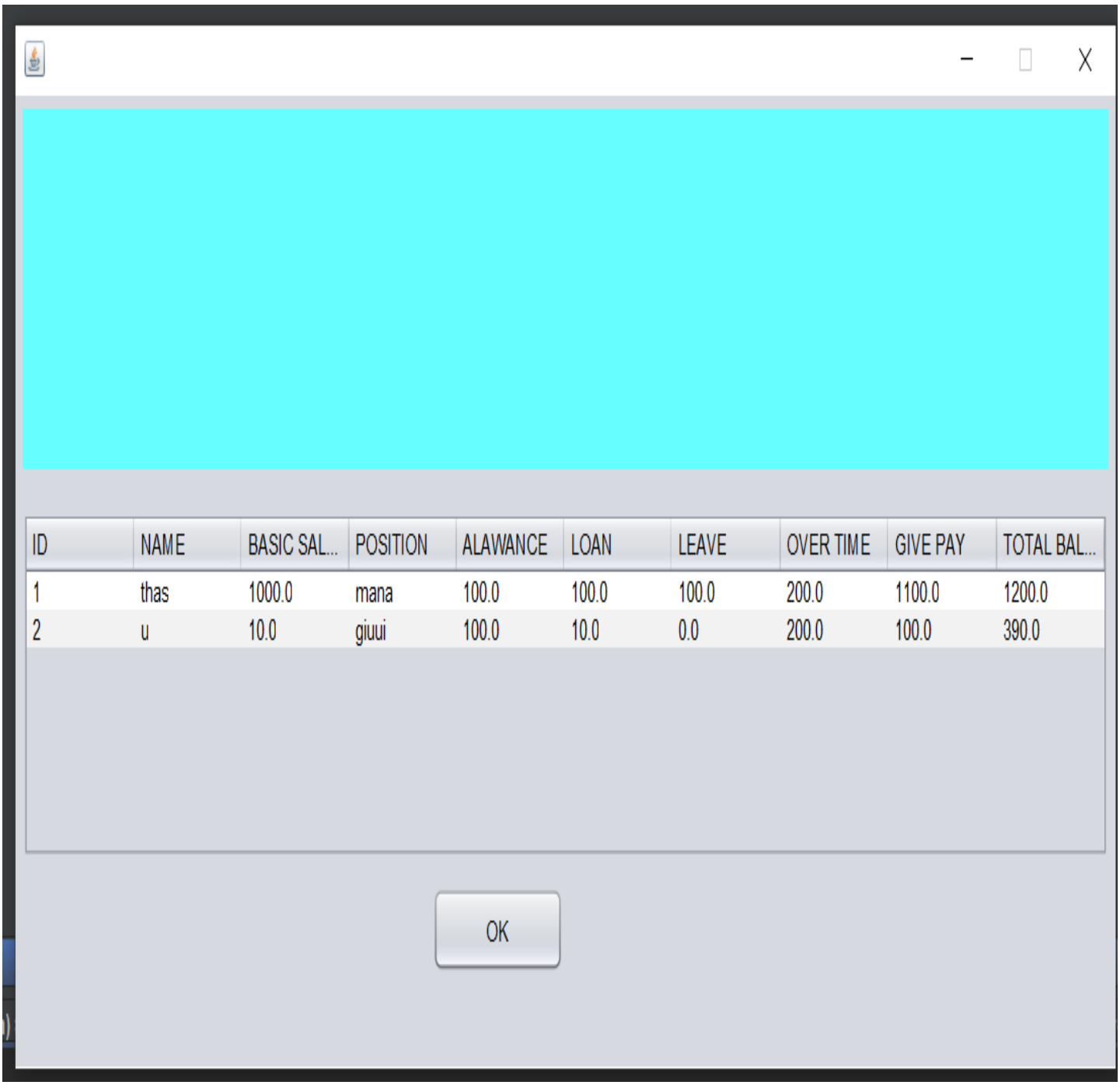

SIGN UP FOR ADMINISTRATION ACCOUNT
USER NAME
PIN CODE
CONFIRM PIN
FIRST NMAE
LAST NAME
GENDER
CREAT ACCOUNT
BACK


ADMIN LOGGING PAGE
USER NAME
PIN CODE
BACK
LOGIN


LOG OUT
CHEAK/DELETE EMPLOYEE
GIVE PAY


EMPLOYEE INFORMATION
ID
EMPLOYEE NAME
BASIC SALARY
POSITION
GIVING AMMOUNT
LOAN DIDUCTION
FESTIVEL ALAWANCE
LEAVE DEDUCTION
OVER TIME ALAWANCE
GIVE PAY
TOTAL BALANCE
ID
Name
TELEPHONE
1 thas 123
2 u 12
3 abdur 0
5 thas 119
12 firu 123
MONTHLY PAYMENT
CANCEL


EMPLOYEE DETILES
ID
EMPLOYEE NAME
GENDER
ADDRESS
BALANCE
POSITION
ID
NAME
UPDATE
DELETE
CANCLE


ID
NAME
BASIC SAL...
POSITION
ALAWANCE
LOAN
LEAVE
OVER TIME
GIVE PAY
TOTAL BAL...
1
thas
1000.0
mana
100.0
100.0
100.0
200.0
1100.0
1200.0
2
u
10.0
giuui
100.0
10.0
0.0
200.0
100.0
390.0
OK

06.TEST RESULT

Concept and Meaning:

Testing: - Software testing can be explained as faults detection and removal. Software testing in terms of verification and validation is done to convince the developers and customer that software is good enough for operational use. This phase includes:

- Integration testing
- Unit testing
- Function system
- System testing

Objective: - To identify mistakes and correct those mistakes.
A successfully testing is one which establishes the presence of one or more faults in software being tested.
There are certain types of testing namely

- ✓ Functional Testing
- ✓ Non-Functional Testing.

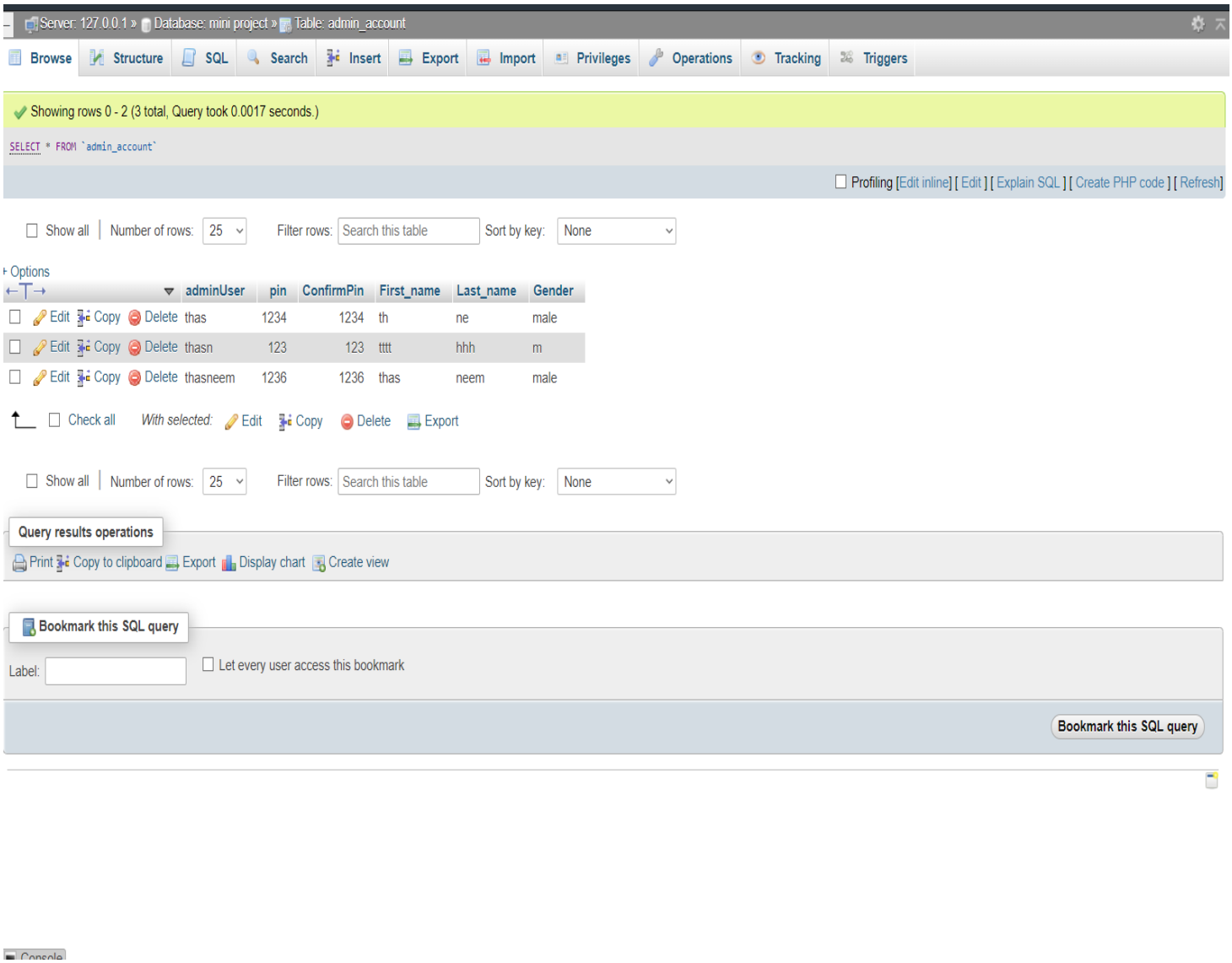
Functional Testing: It verifies that all the specified requirements have been incorporated. It is designed determine that the developed software system operate the way it should.

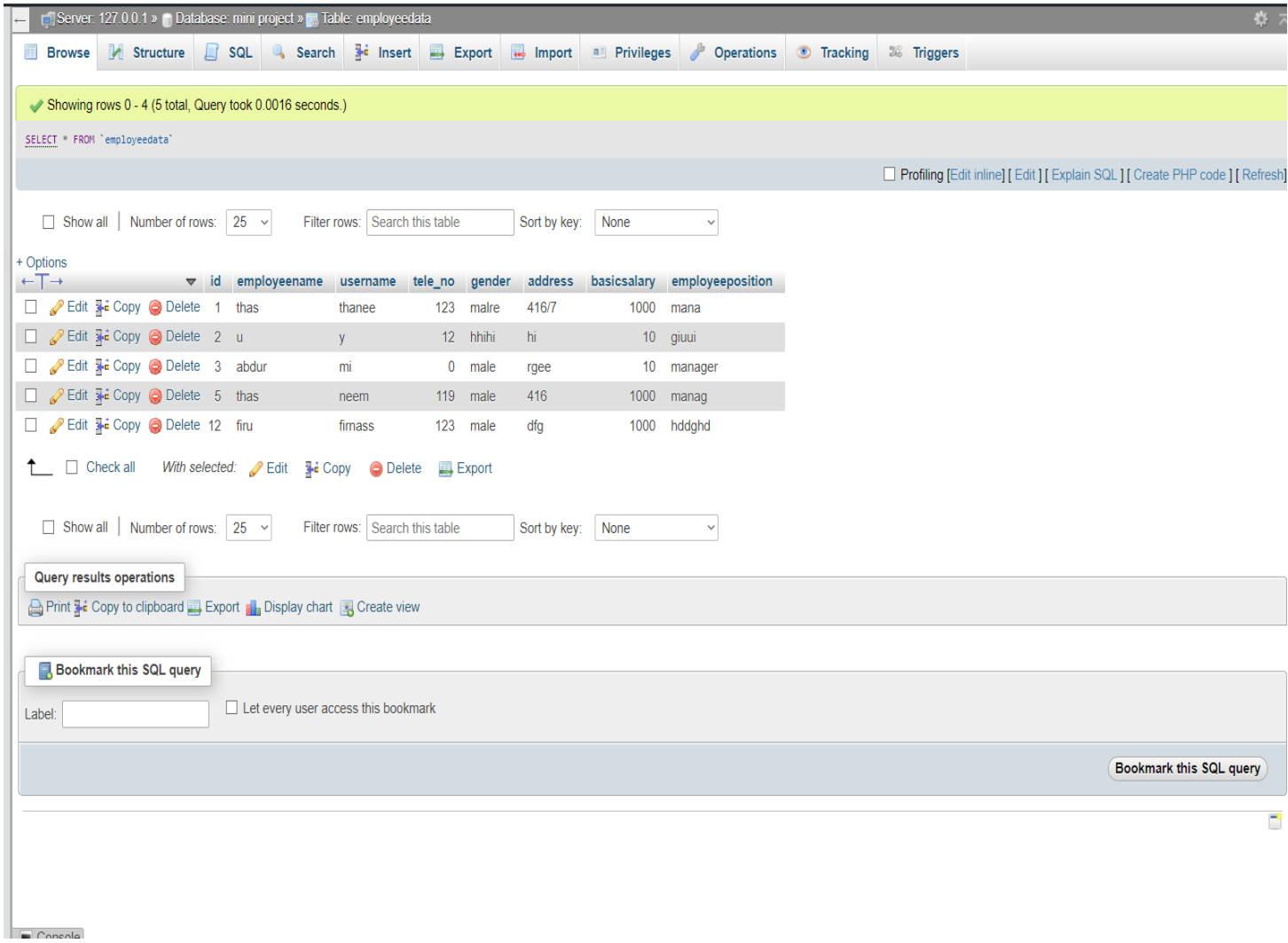
Non-Functional Requirements: It is designed to Find out whether your system will provide a good user experience. For example

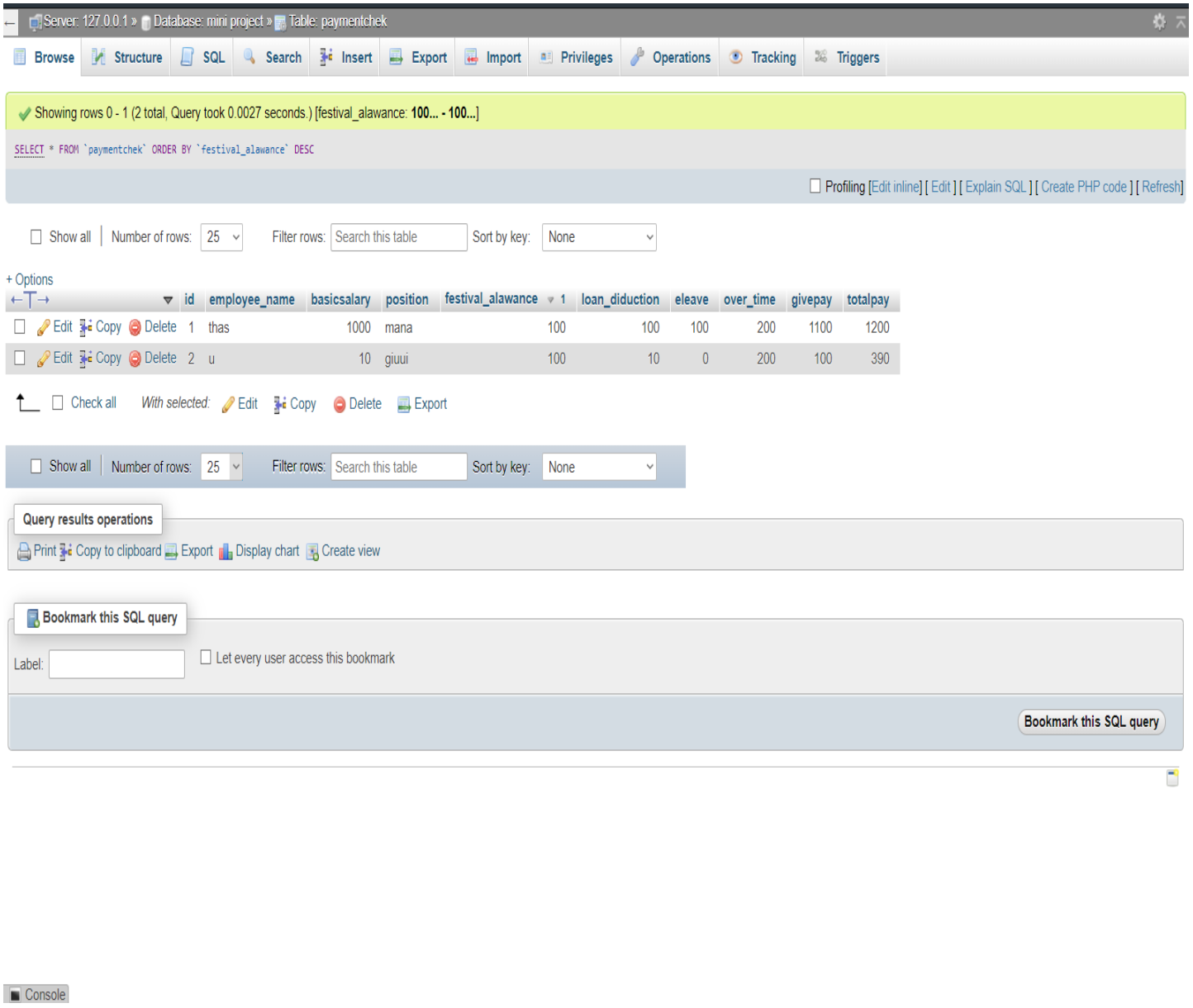
- Load testing
- Security testing
- Compare testing

Aim of testing:

Testing aims to find faults of software system and testing is finished when acceptance criteria has been made.


Server: 127.0.0.1 » Database: mini project » Table: admin_account
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 2 (3 total, Query took 0.0017 seconds.)
SELECT * FROM `admin_account`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Options
adminUser pin ConfirmPin First_name Last_name Gender
Edit Copy Delete thas 1234 1234 th ne male
Edit Copy Delete thasn 123 123 tttt hhh m
Edit Copy Delete thasneem 1236 1236 thas neem male
Check all With selected: Edit Copy Delete Export
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Query results operations
Print Copy to clipboard Export Display chart Create view
Bookmark this SQL query
Label:
Let every user access this bookmark
Bookmark this SQL query
Console


Server: 127.0.0.1 » Database: mini project » Table: employeedata
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 4 (5 total, Query took 0.0016 seconds.)
SELECT * FROM `employeedata`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
+ Options
id employeename username tele_no gender address basicsalary employeeposition
Edit Copy Delete 1 thas thanee 123 malre 416/7 1000 mana
Edit Copy Delete 2 u y 12 hhihi hi 10 giuui
Edit Copy Delete 3 abdur mi 0 male rgee 10 manager
Edit Copy Delete 5 thas neem 119 male 416 1000 manag
Edit Copy Delete 12 firu firnass 123 male dfg 1000 hddghd
Check all With selected: Edit Copy Delete Export
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Query results operations
Print Copy to clipboard Export Display chart Create view
Bookmark this SQL query
Label:
Let every user access this bookmark
Bookmark this SQL query
Console


Server: 127.0.0.1 » Database: mini project » Table: paymentchek
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 1 (2 total, Query took 0.0027 seconds.) [festival_alawance: 100... - 100...]
SELECT * FROM `paymentchek` ORDER BY `festival_alawance` DESC
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
+ Options
id employee_name basicsalary position festival_alawance 1 loan_diduction eleave over_time givepay totalpay
Edit Copy Delete 1 thas 1000 mana 100 100 100 200 1100 1200
Edit Copy Delete 2 u 10 giuui 100 10 0 200 100 390
Check all With selected: Edit Copy Delete Export
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
Query results operations
Print Copy to clipboard Export Display chart Create view
Bookmark this SQL query
Label:
Let every user access this bookmark
Bookmark this SQL query
Console

07.Conclusions

- ✓ Software project management system is a web-based application which support mobile responsive
- ✓ It will manage software projects, gathering the information added to the information about a project in one database
  also, that can be retrieved by searching or browsing for different project.
- ✓ Privilege have been done in a way that guarantee the security of the system.
- ✓ User information is available for project managers so they can decide who is the right person for this job.
- ✓ The system helps the company to achieve and produce more software projects.

08. References

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