

# ADVANCED JAVA PROGRAMMING PROJECTS

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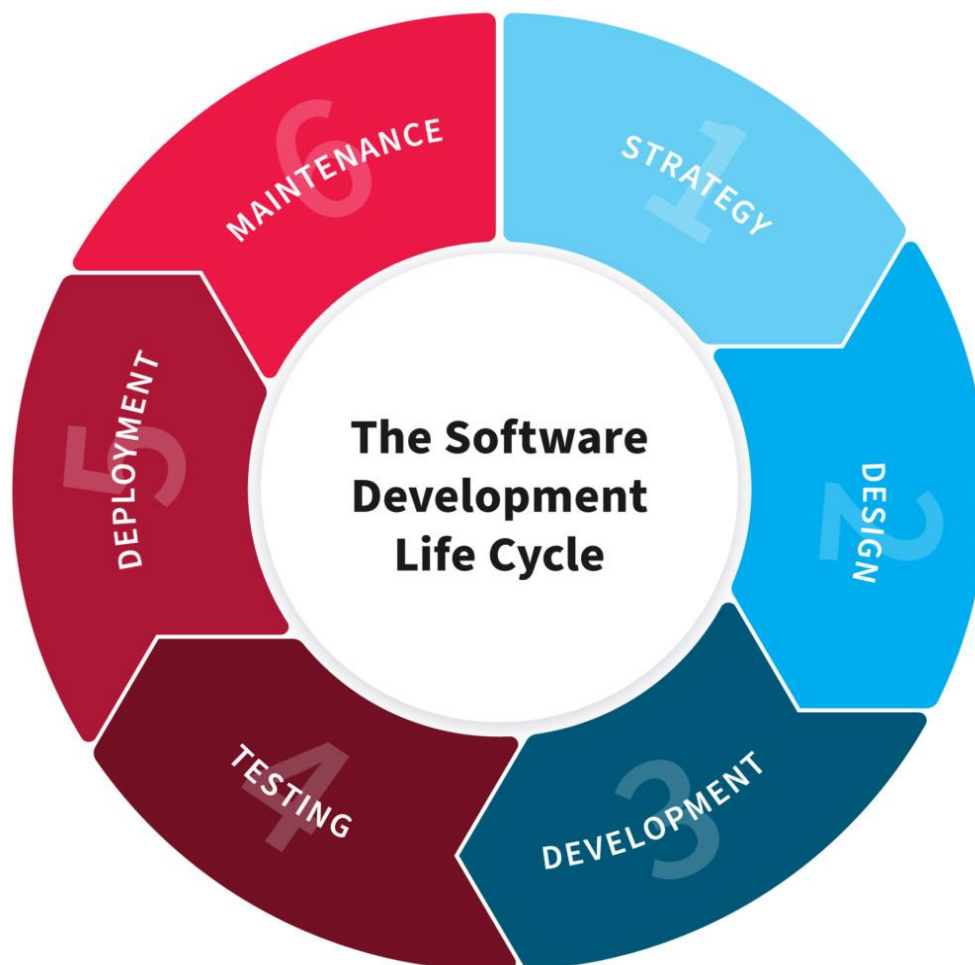
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**Sub-group:** 8

**Class no:** 50

**Project name:** EMPLOYEE'S INFORMATION MANAGEMENT SYSTEM



# **1.PLANNING**

**Employee's information Management System** is software developed to manage the data or information of employee in a company or an organization.

Employee's information management system comprise the personnel details of an employee, keeps the record of employee without this system it is difficult for an admin or human resource of any company or an organization to manage employee details.

The main objective of Employee's information Management System is to manage the details of information, leaves, salaries; login of employee.it manages all the information of the employee.

The purpose/goals of Employee's information Management System is to build an application program to reduce the manual work for managing the information.

**Problems that Employee's Information Management System will solve:**

- **Managing data of all employees manually:** without this system it is difficult to record or manage the information of all employees so, this system will help to do it easily.
- **It will prevents lost data:** many years ago the company or an organization used to record information of employees in books so there was many chances of losing data so in this system the information are stored in database.
- **Time management:** this system will reduce the time taken while searching, storing or adding some information of an employee.

- To maintain proper attendance so that no cheating in attendance can be done by anyone
- **Data security:** the information are stored in databases where are secured compared to the old book stored.

## **2. Design**

### **Technical requirements:**

- User-friendly:** this means the system is easy and simple to use it by everyone and also it is understandable.
- Scalability:** it can be used by many people, many users can use it at the same time.
- Availability:** system is available all the hours you want to access you can use it.
- Secured:** the information of the users stored in databases where authorized user can be able to access it.
- Mobility:** this system you can access it wherever you are.

### **Functional requirements:**

- Employee must be able to login to the system
- Employee must be able to view system
- Employee must be able to fill the attendance list
- Employee must be able to logout
- Admin can login
- Admin can add, update, the employee information
- Admin can easily modify the information of an existing employee
- Admin can easily display the various information about employee

### **How user interact with the system:**

In this system when admin login with username and password the system verify if it's correct or not then if it is correct, an admin can Update, add new employee, delete or verify the employee attendance, if it's incorrect the system requires he/she the username matched with the password.

And also when user logged in as an employee with username and password if it's correct an employee can make attendance, if it's incorrect the system require he/she the username matched with the password.

### **3. Development**

- Employee's information management system was developed in Java and apache Netbeans in order to develop both back-end and front-end.
- MySQL was used as database management system and XAMMP server.
- MySQL –connector-java-5.1.15-bin.jar was used as a library for connecting java pages with database.
- We used JCalendar-1.4.jar and rs2xml.jar for allowing our application to accept dates and time format.
- It was developed by using computer and running in window operating system as a platform.
- Data are stored in data base which is called employeemgt , the database has 3 tables (employee info, users table, and attendance table).
- It was developed in laptop which has window operating system

#### **How project was developed:**

Java Netbeans and JDK were installed then we opened new projects we called it employee. We used jframe for interface and java swing.

### **4. Testing**

**Testing stages for Employee's Information Management System project:**

- Testing if unit or components of the software whether each one is working well
- Testing if when you combine those units or all components together as a group see if it's working
- Test if the whole system is functioning well, see if all activities are matched to its functional requirement
- Test if system is ready to release

## **5.Deployment**

Employee's information management system uploaded in Github so that user can access it easily, and we will upload on webserver so that it will help the users to use the system online.

### **Installation:**

- ✓ To install the system what you have to do is to download JDK, WAMMP/XAMMP, and apache Netbeans.
- ✓ Download the projects where it is saved on Github account.  
Then after open the project employee in java Netbeans then you can run it on your computer when it is offline.

## **6.Maintenance**

After uploading our project on Github and give the access to the user, we will ask the users if there's some problems faced or how the system is working if there's a problem we will solve it and also when there's no problem we will increase the performance and make sure we update the system in order to maintain its functionality.