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CLASS NO: **Group 3 BIT level 2**

PROJECT NAME: HR MANAGEMENT SYSTEM

1.Planning

HR Management system is an application that is used to manage Human resources (Employees), record their works, manage their positions and authorities, and manage their payments by generating their invoices, tracking their overtimes, advances and deductions. This system will help alot in companies employees management and new hires handling.

2. Design

The system is designed in a way that following stakeholders will act as following
Manager(Admins):
- Add new employee/ admin/manager
- Update users data
- Record employee's daily work
- Generate employee's invoice(pay slip)
- Delete users
- Create new login credentials for user

The app allows managers to search through the list of employees when the list is long to manage.

We are planning to make users(employee's) side of the app where they will be able to access the system, view their work status and ratings, record their ovetimes, create their invoices then send to the managers for approval

3. Development

Here are different tools and technologies we used while developing this app

IDE
- We have used **Netbeans** to develop this project

Frontend
- We have used **Java swing** to design and develop the frontend part of this project

Backend
- On the backend part of this app we have used core **java** integrated with java swing to connect BE and FE

Database
- The database used in this project is **MySQL** and we have used JDBS to connect to my sql in our local computer (via xamp/ or manual installation of mySQL)
- We have also used mySQL connector jar to connect to the Database.

4.Testing

Testing this app, we have tested it manually, no written tests or automated test but within a group of 5 people we tested for each edge case and made sure that the app worked like we expected. While testing we also discovered things that needs to be changed and we planned to work on that and adding new features as well.

5.Deployment

We didn't deploy this app to the outside world, we have pushed our code to github for us to collaborate. But we have learned different ways of deploying a java application and we are willing to deploy it anytime it may be needed.