



# Java Project

## Project Management System

The Project Management System is used to manage the work, or to put it another way, it will aid in the management of the work. Let us break down the entire scenario with an example.

Any software company must have internal software to manage and track their work. Many stages will be encountered during the course of a project or application development process.

- Share requirements for the client or stack holder.
- The business developer will share the proposal with the client.
- The developer begins working on the requirement.
- QA tests the product, and BD delivers it to the client.

To address this problem, the project management system framework will be used to monitor all activities. It is a centralized tool that contains all of the information and maintains the data sources.

# Java Project

## Project Management System

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## Project Module

The project management system application is a multi-actor application. The program is written in Java Development Kit in addition it uses Java FX to present the Graphical User Interface (GUI) and has its own database connection with XAMPP MySQL.

As a result, anyone who uses the program can use it in accordance with its specifications. Let us take a look at some of the application's functionalities based on the user or main actor.

### Project Functionalities - - Admin Role

The application's root user will be Admin. It will track the application's operation as well as control all resources and other users.

- Users may be added, edited, or deleted.
- Projects may be added, edited, or deleted.
- Admin can adjust the position and duty of any resource based on the situation.

### Project Functionalities - - Business Developer Role

A Business Developer is in charge of preparing, supervising, and directing projects from inception to completion. This is a senior position within an organization that involves contact with a variety of internal and external stakeholders, as well as overseeing many moving project parts at the same time.

- BD Can create a new project in the system.
- BD can set deadlines for the work.
- BD can share the client requirements in detail.

**AutoCAD PROJECT DRAWINGS HAVE BEEN ATTACHED WITHIN THE ZIP FILE**

# Project Files:

## This project contains

- Three Controller Java Development Kit Files – Admin Dashboard Controller, Business Developer Dashboard Controller, Login Ui Controller – They are used to identify methods for each element in the FXML file and link them to their Database Operation.
- Three Database Operation Java Development Kit Files - Admin Database Operation, Business Developer Database Operation, Login Ui Database Operation – The database operation file is used to bind methods from the controller file that have an input or want an output from the XAMPP MySQL Database.
- One Database Connection Java Development Kit File – It is used to connect to XAMPP MySQL Database for the operations.
- Five Java Development Kit Files – Login Info, Project, Resource, Task, User – These files are used to declare any project-related method or string.
- One Main Java Development Kit File – It is used to start the program and give the application window a name.
- Three (FXML) Java FX Graphical User Interface Files – Admin Dashboard, Business Developer Dashboard, Login UI – The FXML files are used to design the Graphical User Interface.
- 2 Cascading Style Sheets – Dashboard Home Button, Navigation Button – These Cascading Style Sheets are only used for the buttons to provide a better design in Graphical User Interface.
- 128 Java Development Kit Methods – It is essentially a compilation of code that is referred to by name and can be called or invoked at some stage in a program by simply using the method's name. Each method is assigned a unique name. When the name appears in a program, execution is directed to the method's body. Assume the process is over, power returns to the field of code from which it was called, and the machine moves on to the next line of code.