**Project Statement:**

The final product is a Gym Management software system for Rohit, who runs Zumba classes.

This software is going to manage Rohit's participants information and batches information.

1. **Integrated Development Environment:**

Created dynamic web project using Eclipse IDE and then configured as Maven project.

1. **Backend Development:**

Java OOPS concepts used to manage all the functionalities of this application.

1. **Modular Development:**

Servlets used to establish communication between different Java classes.

e.g.: Bean Class, Controller layer, DAO layer, Resource layer and Service layer.

**4. Database Management:**

Java Database Connectivity (JDBC) is used for database communication and data transfer between MYSQL database and Java.

1. **Frontend (Webpage) Development:**

JSP is used to convert Java data or Objects into HTML or CSS data.

1. **Build and Running Project:**

Apache Tomcat web server used to build and run the project to see the output.

1. **Package:**

Maven Package Goal is used to get the final Jar file for the client.