

Developed by: Shubham Ekkaldevi

Project Name: Learners Academy

GITHUB LINK: https://github.com/Shubh25082508/Sporty_Shoes

Concepts used in academy applications:

1. **Servlets:** Servlet technology is used to create a web application (resides at server side and generates a dynamic web page). Servlet technology is robust and scalable because of java language. Before Servlet, CGI (Common Gateway Interface) scripting language was common as a server-side programming language
2. **JDBC :** JDBC stands for Java Database Connectivity. JDBC is a Java API to connect and execute the query with the database. It is a part of JavaSE (Java Standard Edition). JDBC API uses JDBC drivers to connect with the database.

A list of popular interfaces of JDBC API are given below:

- Driver interface
 - Connection interface
 - Statement interface
 - PreparedStatement interface
 - CallableStatement interface
 - ResultSet interface
 - ResultSetMetaData interface
 - DatabaseMetaData interface
 - RowSet interface
3. **SQL:** SQL is used to communicate with a database. According to ANSI (American National Standards Institute), it is the standard language for relational database management systems. SQL statements are used to perform tasks such as update data on a database or retrieve data from a database.
 4. **JSP:** It stands for Java Server Pages. It is a server-side technology. It is used for creating web application. It is used to create dynamic web content.

Algorithm:

1. Create database and tables.
2. Connect the database to the project.
3. Create models classes.
4. Create a database utility class to retrieve data.
5. Create login page.
6. Create JSP files for all pages of the project.
7. Create a servlet to get requests and send responses to the JSP files.
8. Enter Subject, Class, and Student Name
9. Create a Checkbox to select the subject to Assign for each Student, Class, and Teacher to format the contents.
10. Debug and test the project.

Admin flow chart:



