Project: Student Management

Database: MySql [MySql Workbench]

Database Details:

User Name: root

Password: root

Schema Name | Database Name: tta

Table Name: student

sid int pk

firstName varchar(100)

lastName varchar(100)

score int

Project Details:

IDE: Netbeans

Technology: J2EE(Java, Servlet, JSP), JDBC(MySql)

Project Name: StudentCRUD

Modules: 4

1. Student Create
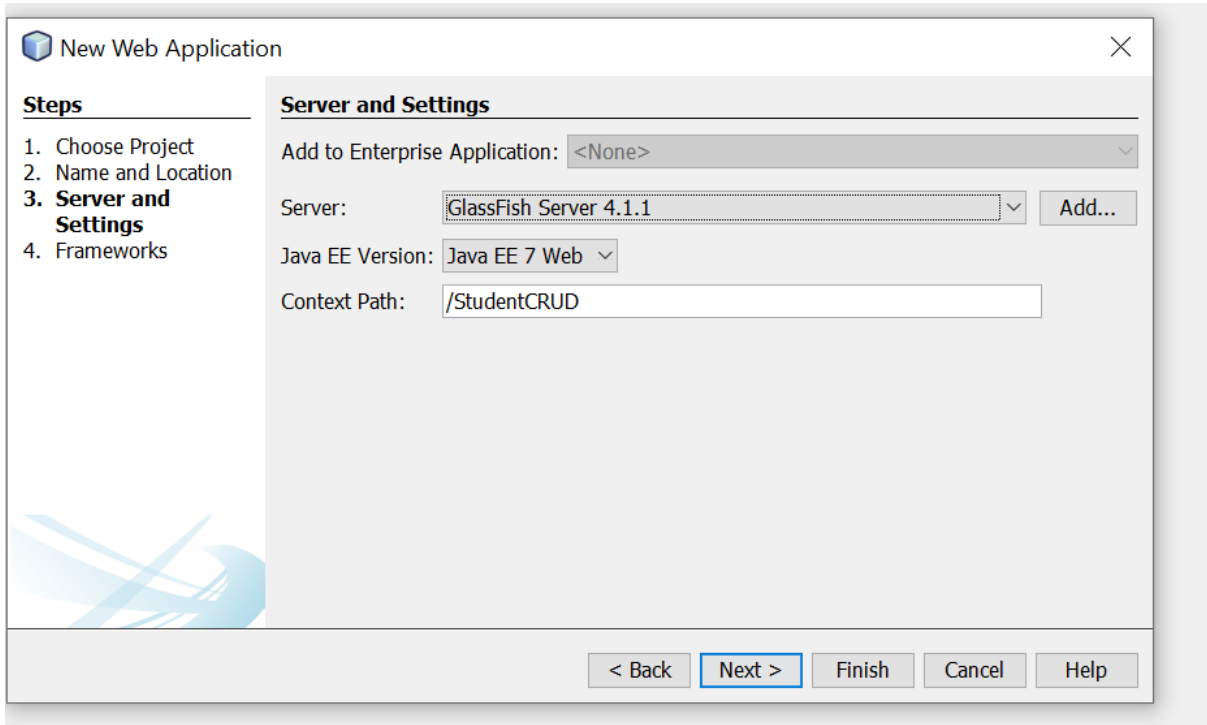2. Student Display
3. Student Delete
4. Student Update

Design Pattern: MVC

M= Model (Java Class, DBClass, DBQuery Class)

V= View (JSP, HTML, CSS, JS)

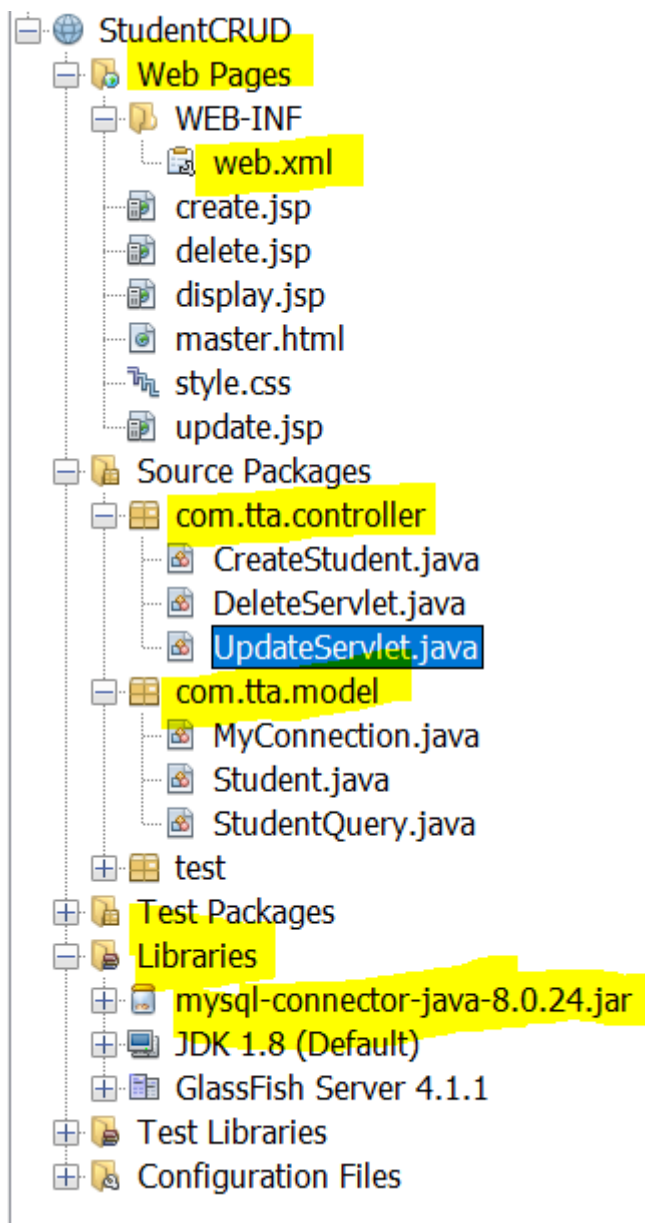C= Controller (Servlets)

Server Setting:

Project Structure:

```
StudentCRUD
├── Web Pages
│   ├── WEB-INF
│   │   └── web.xml
│   ├── create.jsp
│   ├── delete.jsp
│   ├── display.jsp
│   ├── master.html
│   ├── style.css
│   └── update.jsp
├── Source Packages
│   ├── com.tta.controller
│   │   ├── CreateStudent.java
│   │   ├── DeleteServlet.java
│   │   └── UpdateServlet.java
│   ├── com.tta.model
│   │   ├── MyConnection.java
│   │   ├── Student.java
│   │   └── StudentQuery.java
│   └── test
├── Test Packages
├── Libraries
│   ├── mysql-connector-java-8.0.24.jar
│   ├── JDK 1.8 (Default)
│   └── GlassFish Server 4.1.1
├── Test Libraries
└── Configuration Files
```

Setting Relative URL:

Project Properties - StudentCRUD ✕

Categories:

- ○ Sources
- ○ Frameworks
- ○ Libraries
- ○ JavaScript Libraries
  - ○ npm
  - ○ Bower
  - ○ CDNJS
- ○ CSS Preprocessors
- ○ Build
  - ○ Compiling
  - ○ Packaging
  - ○ Documenting
- ○ Run
- ○ License Headers
- ○ Formatting
- ⚡ JaCoCoverage

Server: `GlassFish Server 4.1.1` ▾

Java EE Version: `Java EE 7 Web`

Context Path: `/StudentCRUD`

☑ Display Browser on Run

Relative URL: `master.html`

Specify the URL relative to the context path to run, eg. /admin/login.jsp

Browser: 🌐 `IDE's default browser` ▾

☑ Deploy on Save

If selected, files are compiled and deployed when you save them.
This option saves you time when you run or debug your application in the IDE.

VM Options: `                                    `

(used for running main classes or unit tests; e.g. -Xms10m)

[OK] [Cancel] [Help]
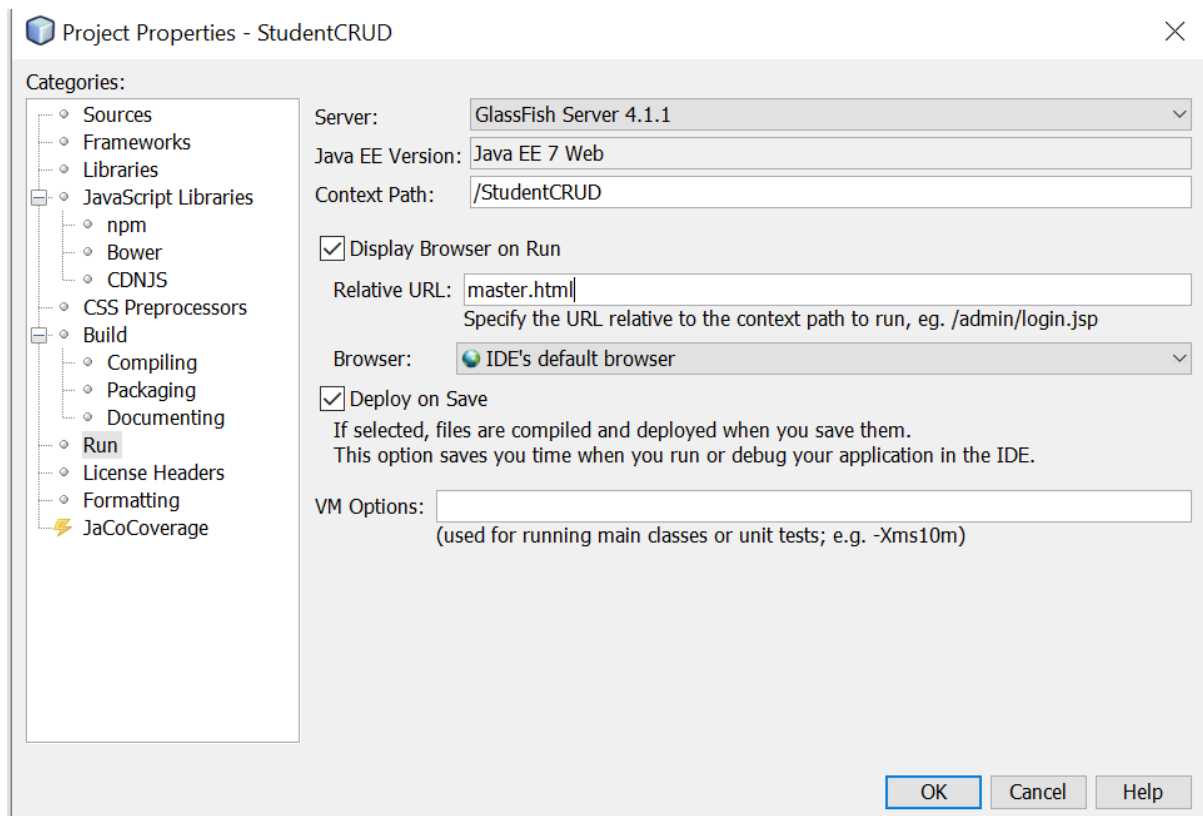
Database Connector:
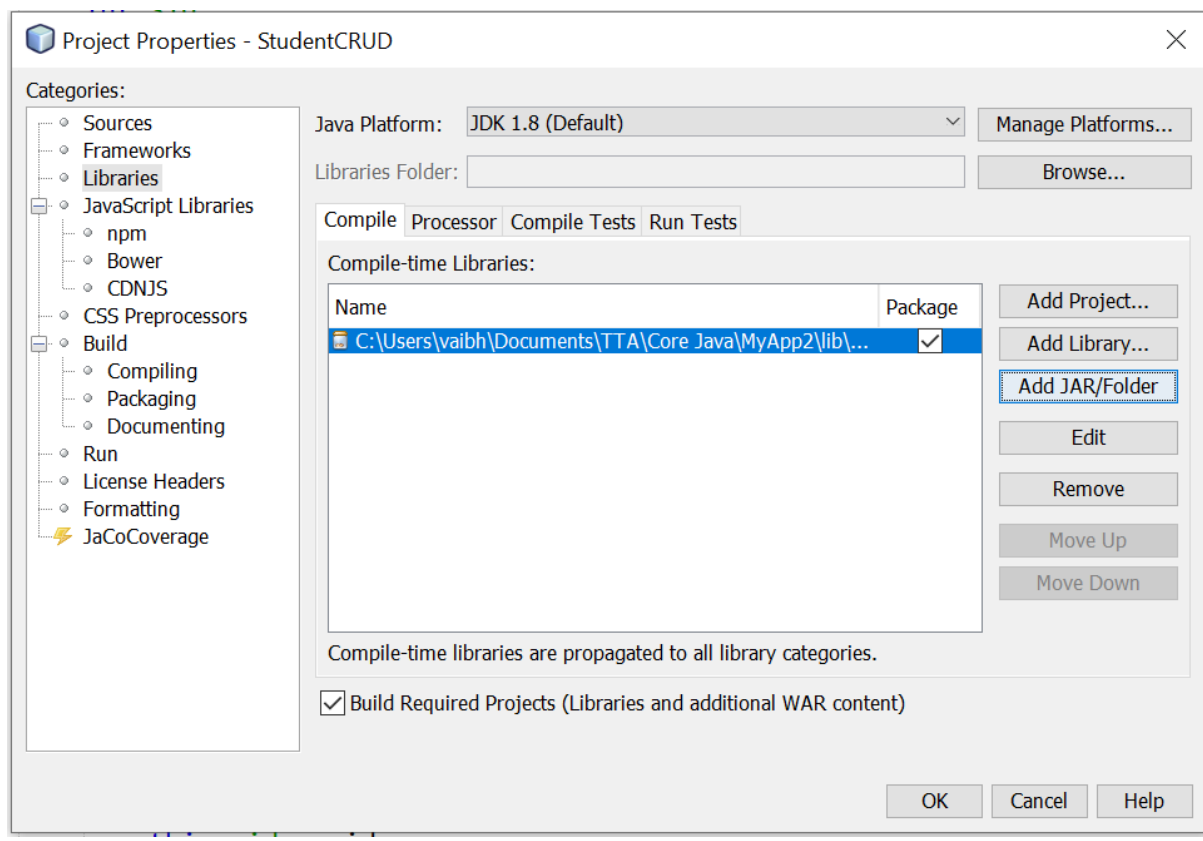
1. Working with "Model"
   a. Create Student class
   b. Create MyConnection
   c. Create StudentQuery
2. Working with "View"
   a. Create "master.html"
   b. Create "create.jsp"
   c. Create "display.jsp"
   d. Create "delete.jsp"
   e. Create "update.jsp"
3. Working with "Controller"

a. Create "CreateStudent"
b. Create "DeleteStudent"
c. Create "UpdateStudent"

Run Project.