

THE STATE UNIVERSITY OF ZANZIBAR

(SUZA)



SCHOOL OF BUSINESS

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

MOBILE APPLICATION DEVELOPMENT

INDIVIDUAL ASSIGNMENT

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QUESTION NO: 3

PATH

<https://github.com/aliseif549/ali.git><https://github.com/aliseif549/ali.git>

```

<%--
    Created by IntelliJ IDEA.
    User: bin seif
    Date: 7/16/2020
    Time: 1:22 PM
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
    <head>
        <title>ALI</title>
    </head>
    <body>
        <form action="" method="get">
            Name : <input type="text" name="name"><br/><br/>
            Registration_No : <input type="text" name="reg"><br/><br/>
            Grade : <input type="text" name="grade"><br/><br/>
            Phone Number : <input type="text" name="phone"><br/><br/>
            Email : <input type="text" name="email"><br/><br/>
            Gender
            <input type="radio" name="gender" value="50"/>Male
            <input type="radio" name="gender" value="50"/>Female
        <br/><br/>
        Select Semester<select class="form-control" name="semi" required >
            <option class="form-control">WEB</option>
            <option class="form-control"> ANDROID </option>
            <option class="form-control">VISUAL STUDIO </option>
            <option class="form-control">RESWACH</option>
            <option class="form-control">NETWORK</option>
            <option class="form-control">QUIC BOOB</option>
        </select>

        <br/><br/>

        <input type="button" name="submit" value="submit">SUBMIT</input>
    </form>
</body>
</html>

```

Name :

Registration_No :

Grade :

Phone Number :

Email :

Gender ☐ Male ☐ Female

Select Semester WEB ▼

SUBMIT

```

Setting environment for using XAMPP for Windows.
bin seif@LAPTOP-MBL68QVN c:\xampp
# mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 757
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database bitam;
Query OK, 1 row affected (0.050 sec)

MariaDB [(none)]> use bitam;
Database changed
MariaDB [bitam]> create table wanafunzi(name varchar(30),
-> registration varchar(30),
-> grade varchar(30),
-> phone_number int(11),
-> email varchar(30),
-> gender varchar(30),
-> course varchar(30));
Query OK, 0 rows affected (0.823 sec)

MariaDB [bitam]>

```

connectionDatabase

```

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.SQLDataException;

public class Database {
    protected static Connection initializeDatabase()
        throws SQLException, ClassNotFoundException
    {
        String dbDriver = "com.mysql.jdbc.Driver";
        String dbURL = "jdbc:mysql://localhost:3306/bitam";

        String dbname = "bitam";
        String dbuser = "root";
        String dbpass = "root";

        Class.forName(dbDriver);
        Connection conn = DriverManager.getConnection(dbURL +
        dbname,dbuser,dbpass);

        return conn ;
    }
}

```

Servlet File

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class ServletClass extends javax.servlet.http.HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse
response)
        throws ServletException, IOException
    {
        try {
            Connection conn = Database.initializeDatabase();

            String name = request.getParameter("name");
            String reg = request.getParameter("reg");
            String grade= request.getParameter("grade");
            String phone = request.getParameter("phone");
            String email = request.getParameter("email");
            String gender = request.getParameter("gender");
            String course= request.getParameter("course");

            PreparedStatement st = conn.prepareStatement("INSERT INTO wanafunzi
VALUE (name,reg,grade,phone,email,gender,course)");

            ResultSet results = null;
            String first = results.getString("name");
            String regi = results.getString("reg");
            String grad = results.getString("grade");
            String phon = results.getString("phone");
            String emai = results.getString("email");
            String gende = results.getString("gender");
            String cours = results.getString("semi");

            st.executeUpdate();
            st.close();
            conn.close();

            PrintWriter out = response.getWriter();
            out.println("success");
        } catch (SQLException | ClassNotFoundException e) {
            e.printStackTrace();
        }
    }

    protected void doGet(javax.servlet.http.HttpServletRequest request,
javax.servlet.http.HttpServletResponse response) throws
javax.servlet.ServletException, IOException {
    }
}
```

