

School Management System

Set up configuration file



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Set Up instruction file

1. Prerequisites

- **Java JDK** - Ensure that Java JDK 8 or above is installed on your system.
- **Apache NetBeans IDE 22** - Required for opening and running the project.
- **XAMPP Server** - To run MySQL database locally.
- **MySQL Database** - Ensure MySQL is installed and running.
- **JasperReports Libraries** - Include the necessary JAR files for JasperReports ,
 - ✓ common-logging-1.2.jar
 - ✓ commons-digester-2.1.jar
 - ✓ commons-beanutils-1.9.4.jar
 - ✓ jasperreports-6.8.0.jar
 - ✓ jasperreports-javaflow-6.8.0.jar
 - ✓ rz2xml.jar.

2. Setting Up the Database

1. **Start XAMPP** - Launch XAMPP and start the Apache and MySQL services.
2. **Access phpMyAdmin** - Open phpMyAdmin in your browser
(<http://localhost/phpmyadmin>).
3. **Import Database:**
 - Go to the **Import** tab in phpMyAdmin.
 - Select the SQL file provided (database.sql).
 - Click **Go** to import the database schema and data.

3. Configuring the Project in NetBeans

1. **Open NetBeans** - Launch Apache NetBeans IDE 22.
2. **Import the Project**
 - Go to **File > Open Project**.
 - Navigate to the project folder and select the project directory.
 - Click **Open Project**.
3. **Add Libraries**
 - Right-click on the project in the Projects pane and select **Properties**.
 - Go to the **Libraries** section.
 - Add all required JAR files for JasperReports and database connectivity.

4. Configuring Database Connection

1. **Edit Database Configuration**
 - Locate the DBconnect class in your project (or equivalent database connection class).
 - Update the database URL, username, and password if necessary.
2. **Test Connection** - Ensure the database connection is working by running the application or a test class.

5. Running the Application

1. Compile and Run

- Right-click on the project and select **Run**.
2. **Login** - Use the provided credentials (e.g., username: admin, password: admin123) to log into the application.

6. Generating Reports

1. **Open the GPA Calculation Form** - Enter student marks and click **Calculate**.
2. **Generate Reports** - Navigate to the report generation section and produce the desired reports.

7. Additional Notes

- Ensure all required JAR files are included in the project's lib directory.
- Refer to the included documentation for any specific usage or configuration details.

8. Troubleshooting

- If you encounter issues, check the Error Logs in NetBeans and verify the database connection settings.