

HOW TO RUN

1. REQUIREMENTS

- * Java JDK 17 or JDK 21 (match your project's target)
- * IntelliJ IDEA (Community or Ultimate)
- * MySQL Server 8.x (with MySQL client or MySQL Workbench)
- * mysql-connector-j-8.x.x.jar (MySQL JDBC driver)
- * jBCrypt (or your hashing JAR)

2. Database Setup

The project uses two separate MySQL databases:

1. **Auth DB** – for login and roles

Contains tables: users_auth,

Used by: authen.Connector, AuthService, Login, SetSession, etc.

2. **ERP DB** – for academic data

Database name in code: univ_erp

Contains tables : students, instructors, courses, sections, enrollments, grades, assessment_components, settings,notification,section_labels

3. DB Connection Settings

There are two connection helper classes:

1. **For Auth DB** -> authen.Connectore
2. **For ERP DB** -> erp.ERPConnector

3. For Backup/Restore -> erp.service.AdminService

```
private static final String URL = "jdbc:mysql://localhost:3306/authen_db";

private static final String USER = "root";

private static final String PASS = "your_mysql_password";

private static final String MYSQL_BIN
="C:/Users/Lenovo/Downloads/mysql-9.5.0-winx64/mysql-9.5.0-winx64/bin";

private static final String BACKUP_DIR = "C:/erp_backups";

private static final String BACKUP_FILE = BACKUP_DIR + "/univ_erp_backup.sql";
```

4. Running the Application

1. Open the project in your IDE.
2. Run the main class is ui.ERPMain: