# **Employee Management System**

**Download Link:** <a href="https://github.com/Ashaxn/Spring-Boot-Employee-Management-System">https://github.com/Ashaxn/Spring-Boot-Employee-Management-System</a>

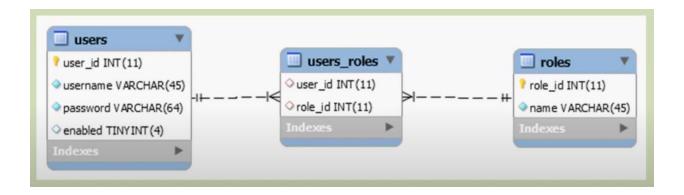
If you want to get a good idea about user roles, watch the video below (Contains roles table creation part): <a href="https://www.youtube.com/watch?v=i21h6ThUiWc&ab channel=CodeJava">https://www.youtube.com/watch?v=i21h6ThUiWc&ab channel=CodeJava</a>

## **How to setup Database**

#### First Step:

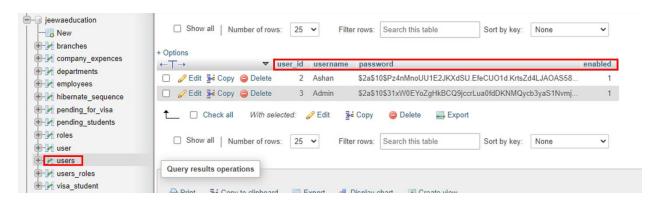
- 1. First Create Database Called "Jeewaeducation".
- 2. Now run the program.
- 3. After that, Some tables will be generated automatically.

#### This is the Table Roles Structure:

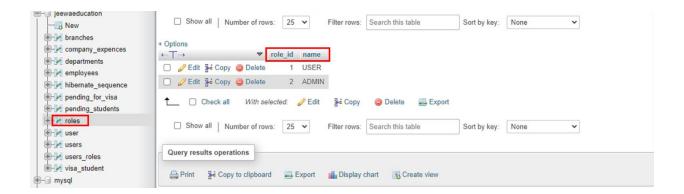


### **Second Step:**

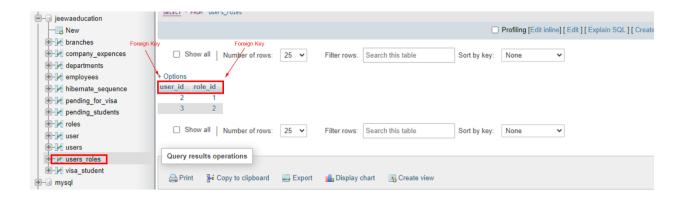
1. Create "users" table like this.



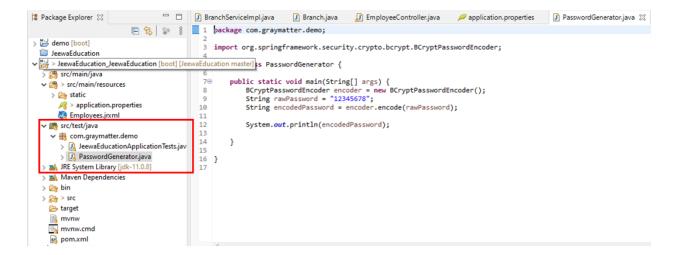
2. After that create table "roles".



3. Now create and set ""user\_roles" table.



4. Generate Encrypted Passwords (Run this test code and paste the encrypted password in the "users" table password section).



### **Email Section Settings:**

1. Set user account email address and password.

```
Package Explorer ⋈
                                        □ □ □ BranchServiceImpl.java

☑ Branch,java 
Ø application.properties 
☑ PasswordGenerator.java
☑ ContactController.java
                              E & 8
                                                       spring.datasource.username=root
                                                                                                                             User Account Email Address and Password
                                                    5 spring.datasource.password=
         > 🛂 BranchService.java
         > A BranchServiceImpl.java
                                                    7 spring.mvc.view.prefix=/WEB-INF/view/
         > A CompanyExpencesService.java
                                                    8 spring.mvc.view.suffix=.jsp
         > DepartmentService.iava
                                                  10 spring.mail.host=smtp.gmail.com
         > DepartmentServiceImpl.java
                                                  11 spring.mail.port=587
12 spring.mail.username=
         > EmployeeService.java
         > Page EmployeeServiceImpl.java
                                                  spring.mail.pssword=ther your email account password
spring.mail.properties.mail.smtp.auth=true
spring.mail.properties.mail.smtp.starttls.enable=true
         > PendingForVisaService.java
         > PendingStudentsService.java
         >  UserDetailsServiceImpl.java
                                                  17 spring.servlet.multipart.max-file-size=10M
        > D VisaStudentService.java
                                                  18 spring.servlet.multipart.max-request-size=10MB
        > D WebSecurityConfig.java

✓ 

→ src/main/resources

                                                  20 #gfghf
21 ## Hibernate Properties
      > 🕞 static
                                                  22 #The SQL dialect makes Hibernate generate better SQL for the chosen database spring.jpa.properties.hibernate.dialect = org.hibernate.dialect.MySQL5InnoDBDialect
        > application.properties
        Employees.jrxml
   ∨ # src/test/java
                                                   25 logging.level.org.hibernate.SQL = DEBUG

→ ∰ com.graymatter.demo

                                                  26 logging.level.org.hibernate.type = TRACE
         > 🖳 JeewaEducationApplicationTests
```

2. Set Admin account email address.

```
☐ Package Explorer 
☐

                                              ▶ PasswordGenerator.java
▶ ContactController.java
                                                                           String email = request.getParameter("email");
String subject = request.getParameter("subject");
String content = request.getParameter("content");
> 👺 demo [boot]
  JeewaEducation

√ My

→ JeewaEducation_JeewaEducation [boot]

                                                                            MimeMessage message = mailSender.createMimeMessage();
   MimeMessageHelper helper = new MimeMessageHelper(message, true);
       > 🖶 > com.graymatter.demo
                                                                           String mailSubject = fullname + " has sent a message";
String mailContent = "<b>Sender Name:</b> " + fullname + "";
mailContent += "<b>Sender E-Mail:</b> " + email + "";
mailContent += "<b>Subject:</b> " + subject + "";
mailContent += "<b>Content:</b> " + content + "";
mailContent += "<img src='cid:logoImage' />";

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com.graymatter.demo.controller

          > D BranchController.java
          > A CompanyExpenesController.java
          > 1 > ContactController.java
                                                                                                                                                                              Admin Account Email Address
          > DepartmentController.java
          > 🖟 EmployeeAdminController.java
          > 🛺 EmployeeController.java
                                                                           helper.setFrom("ashan.javatest@gmail.com", "Jeewa Employees*);
helper.setTo("example@gmail.com"); // Add you email name
helper.setSubject(mailSubject);
          > A HomeController.java
          > MyUserDetails.java
                                                                            helper.setText(mailContent, true);
          > 🛺 PaymentController.java
          > PendingForVisaController.java
                                                                            ClassPathResource resource = new ClassPathResource("/static/images/JeewaEducationLogo.png");
helper.addInline("logoImage", resource);
          > R PendingStudentsController.java
          > A StudentAdminController.java
          > VisaAdminController.java
                                                                            if(!multipartFile.isEmpty()) {
   String fileName = StringUtils.cleanPath(multipartFile.getOriginalFilename());
          > D VisaProfileController.java
```

Thanks.