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**1. System Requirements**

* **Operating System**: Windows 10/11, macOS, or Linux
* **Python**: Version 3.8 or higher
* **Database**: Microsoft SQL Server
* **Libraries**: tkinter, pyodbc, datetime

**2. Installation Guide**

1. **Install Python**:
   * Download from [python.org](https://www.python.org/downloads/).
   * Ensure you check "Add Python to PATH" during installation.
2. **Install Required Libraries**:

pip install pyodbc

1. **Database Setup**:
   * Run the SQL script provided in the project to create the SkillShare OnlineLearning database and tables.

**3. Configuration**

1. Update the **Database Connection** in the code:
   * Modify the pyodbc.connect() parameters to match your SQL Server instance:

conn = pyodbc.connect(

'DRIVER={SQL Server};'

"SERVER=YOUR\_SERVER\_NAME;"

"DATABASE=OnlineLearning;"

"Trusted\_Connection=yes;"

)

**4. User Roles**

| **Role** | **Permissions** |
| --- | --- |
| **Student** | Enroll in courses, view assignments, submit quizzes. |
| **Instructor** | Create courses, upload lectures, create assignments/quizzes. |
| **Admin** | Manage users/courses, view system analytics, remove content. |

**5. Step-by-Step Guide**

**5.1 Student Guide**

1. **Registration**:
   * Click **Register** on the login screen.
   * Fill in details (Name, Email, Password) and select role **Student**.
2. **Login**:
   * Enter your email and password.
3. **Dashboard Features**:
   * **Available Courses**:
     + View courses and enroll by selecting a course and clicking **Enroll**.
   * **My Courses**:
     + View enrolled courses.
   * **Assignments**:
     + Check deadlines and submit assignments (if implemented).

**5.2 Instructor Guide**

1. **Registration**:
   * Select role **Instructor** during registration.
2. **Dashboard Features**:
   * **Add Course**:
     + Provide title, description, and price (if applicable).
   * **Upload Lecture**:
     + Select a course, add title, and upload content (e.g., video URL).
   * **Create Assignment/Quiz**:
     + Set deadlines, questions, and marks.

**5.3 Admin Guide**

1. **Login**:
   * Use admin credentials (pre-configured in the database).
2. **Dashboard Features**:
   * **View Users**:
     + See all registered users.
   * **Remove User/Course**:
     + Enter the ID of the user/course to delete.

**6. Troubleshooting**

| **Issue** | **Solution** |
| --- | --- |
| **Database Connection Error** | Check server name, database name, and SQL Server authentication. |
| **Login Failed** | Verify email/password. Reset password via SQL if needed. |
| **Course Not Displaying** | Ensure the instructor created the course and it’s not already enrolled. |
| **Enrollment Error** | Check for duplicate enrollments in the Enrollments table. |

**7. FAQs**

**Q1. How do I reset my password?**

* Contact your admin to update it in the database (Users table).

**Q2. Why can’t I see any courses?**

* Instructors must create courses first.

**Q3. How to extend course access after the free trial?**

* Admins can modify the JoinDate in the Users table.

Refference :

* DeepSeek
* ChatGpt