|  |  |
| --- | --- |
|  | **Module Name: Programming 2B** |
|  |  |
|  | **Module Code: PROG6212**  **Assessment Type: PART 2**  **Student Full Name: Tokollo Will Nonyane**  **Student Number: ST10296818**  **Due Date: 24 October 2024**  **Lecturer Name: Nhlakanipho Mavundla**  **Group: 1 (DIS2)** |
|  |  |

**Contract Monthly Claims System**

**Introduction**

The Contract Monthly Claims System is a web application designed to facilitate the submission, approval, and tracking of claims by lecturers, program coordinators, and academic managers. It allows users to register, submit claims, verify claims, and monitor the status of their submissions in a user-friendly interface.

**How It Works**

The application consists of several key functionalities:  
1. User Registration:  
 - Lecturers can register using the following URL:  
 `https://localhost:7038/Home/Register`  
 - Program Coordinators can register using the following URL:  
 `https://localhost:7038/Home/RegisterC`  
 - Academic Managers can register using the following URL:  
 `https://localhost:7038/Home/RegisterM`  
2. User Login:  
 - Users can log in using their registered credentials. Example login details:  
 - Morenaletta@gmail.com - 12345678  
 - WarrenHani09@gmail.com - 12345678  
 - ST10296818@rcconnect.edu.za - 12345678  
 - nogamenolifeshirosora1234@gmail.com - 12345678  
3. Claim Submission:  
 - After logging in, lecturers can submit claims through the claims submission form.  
 - They can select multiple modules, input hours worked, and specify hourly rates.  
 - Documents can be uploaded and displayed alongside the submitted claims.  
4. Claim Verification:  
 - Program Coordinators and Academic Managers can verify or reject claims.  
 - A tracking page allows all users to see the status of their claims in real-time.  
5. Remember Me Feature:  
 - Users can choose to be remembered on the login page for convenience.

**SQL Query to Import Modules**

To import the necessary modules into the database, execute the following SQL query:  
```sql  
INSERT INTO Modules (ModuleCode, ModuleName, Description) VALUES  
('PROG6212', 'Programming 6212', 'Advanced programming techniques.'),  
('DATA6222', 'Data Analysis 6222', 'Data analysis and visualization.'),  
('HCIN6221', 'Human-Computer Interaction 6221', 'Design and evaluation of user interfaces.'),  
('IPMA6212', 'Information Project Management 6212', 'Managing information systems projects.'),  
('SAND6221', 'Software Engineering 6221', 'Principles of software engineering.'),  
('WEDE6021', 'Web Development 6021', 'Web application development fundamentals.'),  
('ITPP5112', 'IT Project Planning 5112', 'IT project planning and execution.'),  
('OPSY5121', 'Operating Systems 5121', 'Introduction to operating systems.');  
```

**Running the Application**

1. Ensure that all migrations have been created and the database is updated.  
2. Launch the application and navigate to the login page.  
3. Use the example login details provided above to log in.  
4. Explore the various functionalities including claim submission and verification.

**Screenshots**

Below are placeholders for screenshots of different views in the application. Please replace the placeholder text with actual images once available.

Screenshot of Registration Page:

A screenshot of a computer

Description automatically generated

Screenshot of Login Page:

A screenshot of a computer

Description automatically generated

Screenshot of Claim Submission Page:

A screenshot of a computer

Description automatically generated

Screenshot of Track Claims Page:

A screenshot of a computer

Description automatically generated

Screenshot of Verify Claims Page:

A screenshot of a computer

Description automatically generated

Screenshot of About Page:

A screenshot of a computer

Description automatically generated

**Reference**

Institute Project Management. 2022. What is a Project Charter and How to Write One? [Online]. Available at: <https://projectmanagement.ie/blog/successful-project-manager-iii-the-project-charter-and-its-creation/>. [Accessed 19 August 2024].

Eby, K. 2019. Free Project Charter Templates. [Online]. Available at: <https://www.smartsheet.com/blog/project-charter-templates-and-guidelines-every-business-need/>. [Accessed 19 August 2024].

Monday. N.d. Project Plan. [Online]. Available at: <https://nogamenolifeshirosora1234s-team.monday.com/boards/1601267437>. [Accessed 20 August 2024].