



- •Role-Based Access Control: Differentiated access for Account Managers, Admins, and Users.
- •Training Request Management: Account Managers can submit training requests.
- •Course Management: Admins can create, assign, and track courses.
- •Employee Progress Tracking: Employees can access and complete courses, track their progress, and provide feedback.
- •Feedback Collection & Analytics: Efficient feedback system to measure training effectiveness.

MILESTONE ACHIEVED - USER AUTHENTICATION & ROLE MANAGEMENT MILESTONE 1 (WEEKS 1-3):

USER AUTHENTICATION AND ROLE MANAGEMENT

Role-Based Access:

Implemented role-based authentication to differentiate between Account Managers, Admins, and Employees using JWT tokens for secure login and access control.

• User Registration & Login:

Users can securely register and log in using their credentials. Based on the user type (Account Manager, Admin, Employee), different features are unlocked to ensure appropriate access.

• JWT Authentication:

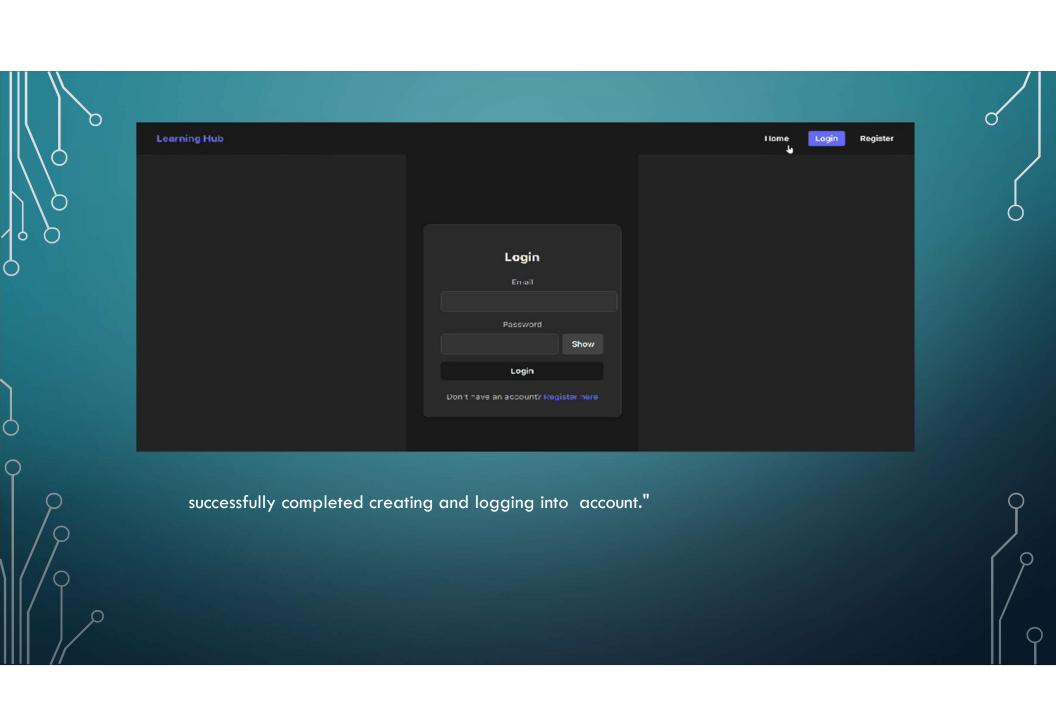
- Utilized the simple JWT package for token-based authentication.
- Ensures secure API requests with roles validated in the backend.

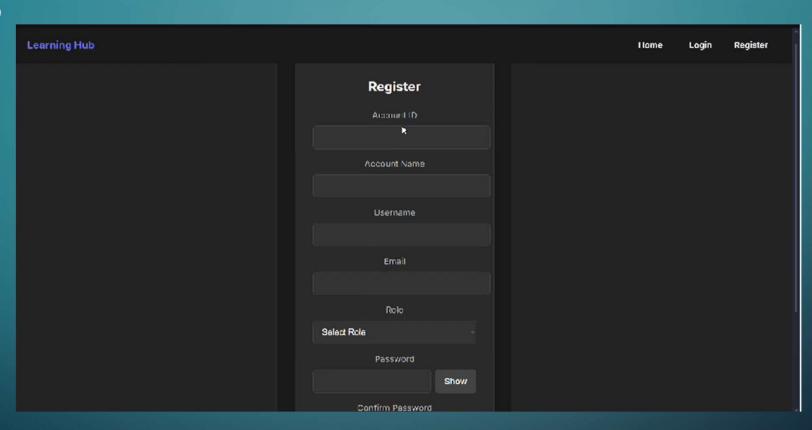
• Role Display:

Upon login, the application displays the user's role next to their name, providing clear identification of their access rights. This feature improves user experience by reinforcing role-based access.

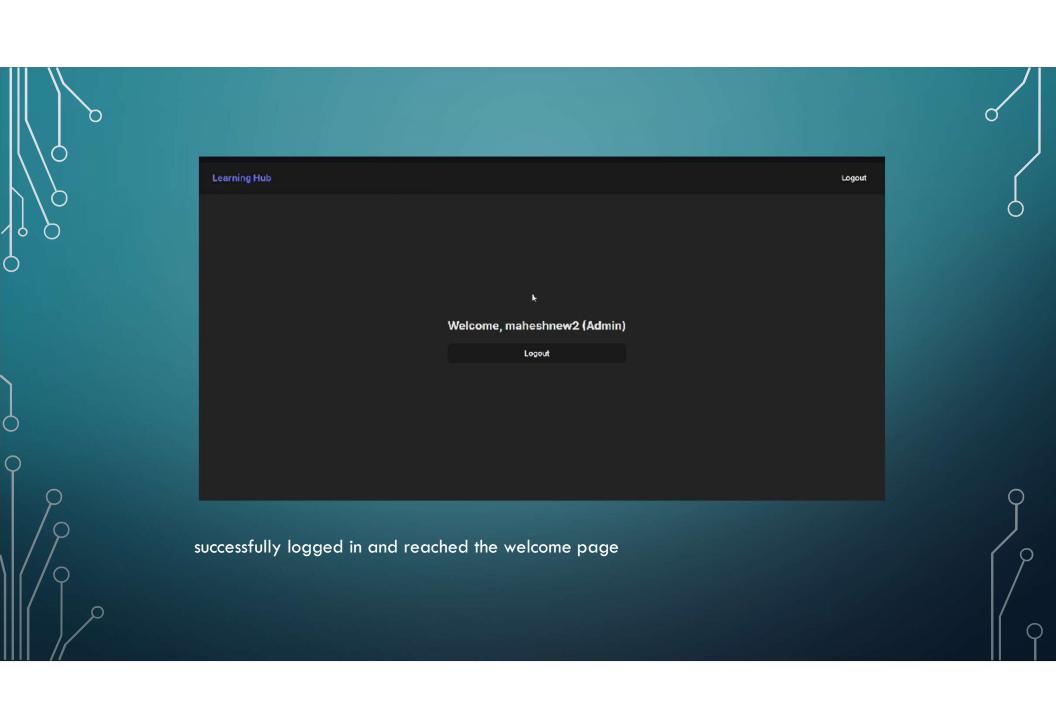
• Frontend & Backend:

- Frontend: React for a responsive and interactive user interface.
- Backend: Django for handling authentication, role management, and business logic.
- Database: SQLite for quick prototyping and efficient data storage.





successfully completed creating account on the register page.



TECHNICAL IMPLEMENTATION AND FUTURE ENHANCEMENTS

- Technical Implementation Details:
- Frontend Development:
 - Built using React for a responsive and dynamic user interface.
 - Role-specific components are dynamically rendered based on user authentication.
 - Clean and intuitive design for easy navigation.
- Backend Development:
 - Developed with Django for robust server-side logic.
 - Simple JWT package used for secure token-based authentication.
 - APIs designed to support role-based feature access efficiently.
- Database Management:
 - SQLite database integrated for quick prototyping and reliable data storage.
 - Tables and relationships designed to manage users, roles, courses, and feedback.

FUTURE ENHANCEMENTS:

•Scalable Database Integration:

Transition to a more scalable database (e.g., PostgreSQL or MySQL) for production.

•Advanced Analytics:

Include advanced data visualization for course progress and feedback insights.

•Notification System:

Add email and push notifications for important updates and deadlines.

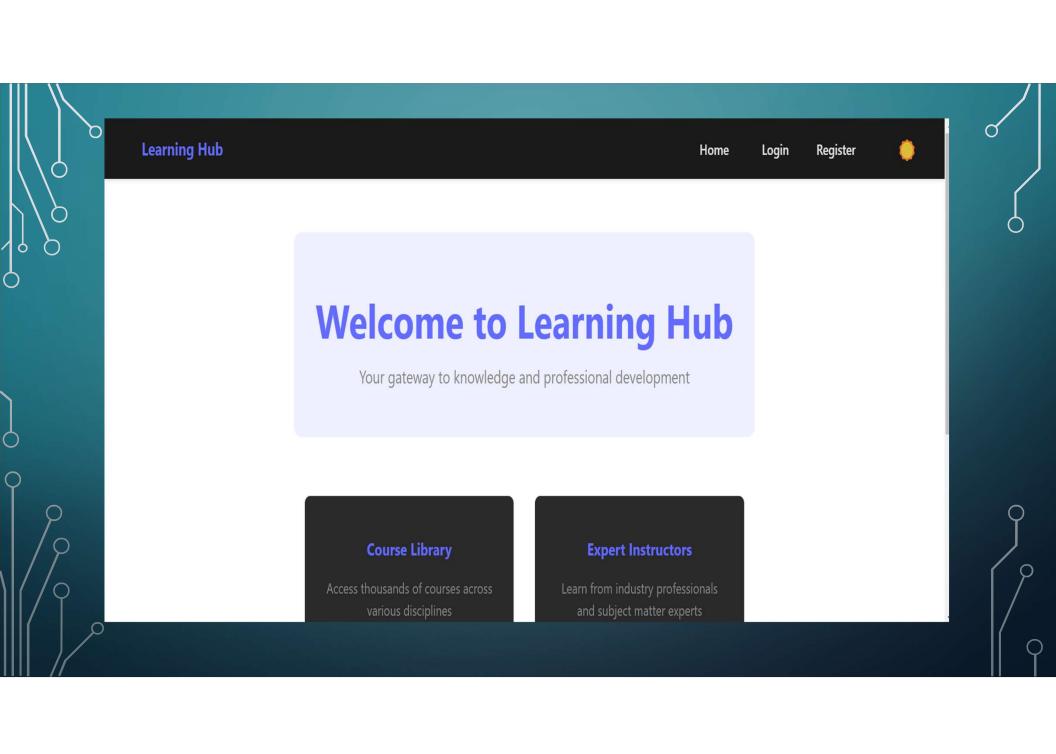
•Multi-Device Compatibility:

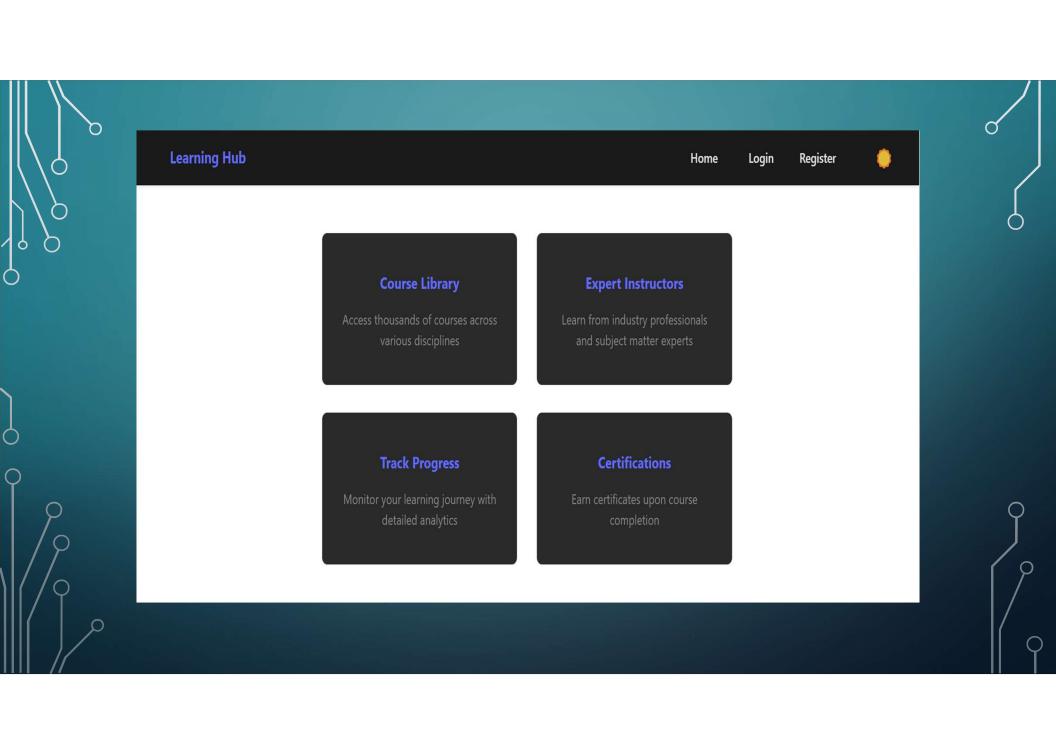
Optimize for seamless functionality on mobile and tablet devices.

•Enhanced Security Features:

Incorporate OAuth2.0 or Single Sign-On (SSO) for enterprise-grade security.

Conclusion: Module One successfully completed with the implementation of account registration, login functionality, and welcome page. Users can now create accounts, log in securely, and access the dashboard seamlessly





- Module 2: Training Request and Management
- Module Overview & Features

Description:

Account managers submit training requests, and admins review, approve, and create training programs.

- Key Features:
 - Training Request Form: Simple form for account managers to submit training needs.
 - Admin Review Process: Admins approve or reject requests based on relevance and need.
 - Course Creation: Admins design tailored training programs after approval.
 - Tracking: Monitor the status of requests and training course creation progress.

Process & Benefits

• Process:

- Account managers submit requests.
- Admins review, approve, or reject.
- Approved requests lead to course creation and scheduling.
- Progress of requests and courses is tracked and updated.

• Benefits:

- Efficiency: Streamlined request and approval process.
- Customization: Tailored training programs based on real needs.
- Clear Communication: Automatic updates and notifications for requestors and admins.

- Module 3: Course Creation and Assignment
- Module Overview & Features
- Description:

Admins create courses based on approved requests, generate employee credentials, and assign courses for completion.

- Key Features:
 - Create and Manage Courses: Admins design and organize courses with multiple modules.
 - Generate Employee Credentials: Create login credentials for employees to access courses.
 - Course Assignment: Assign courses to specific employees based on needs.
 - Track Progress: Monitor the completion and progress of employees in their assigned courses.

• Slide 2: Process & Benefits

• Process:

- Admins create courses based on requests.
- Employee credentials are generated for access.
- Courses are assigned to employees based on their needs or roles.
- Progress of employees is tracked and monitored for course completion.

• Benefits:

- Customizable Learning: Courses tailored to specific training needs.
- Streamlined Access: Easy access through generated login credentials.
- Progress Monitoring: Efficient tracking of employee learning and progress.

