Application Development

ASP-MVC-Net-8

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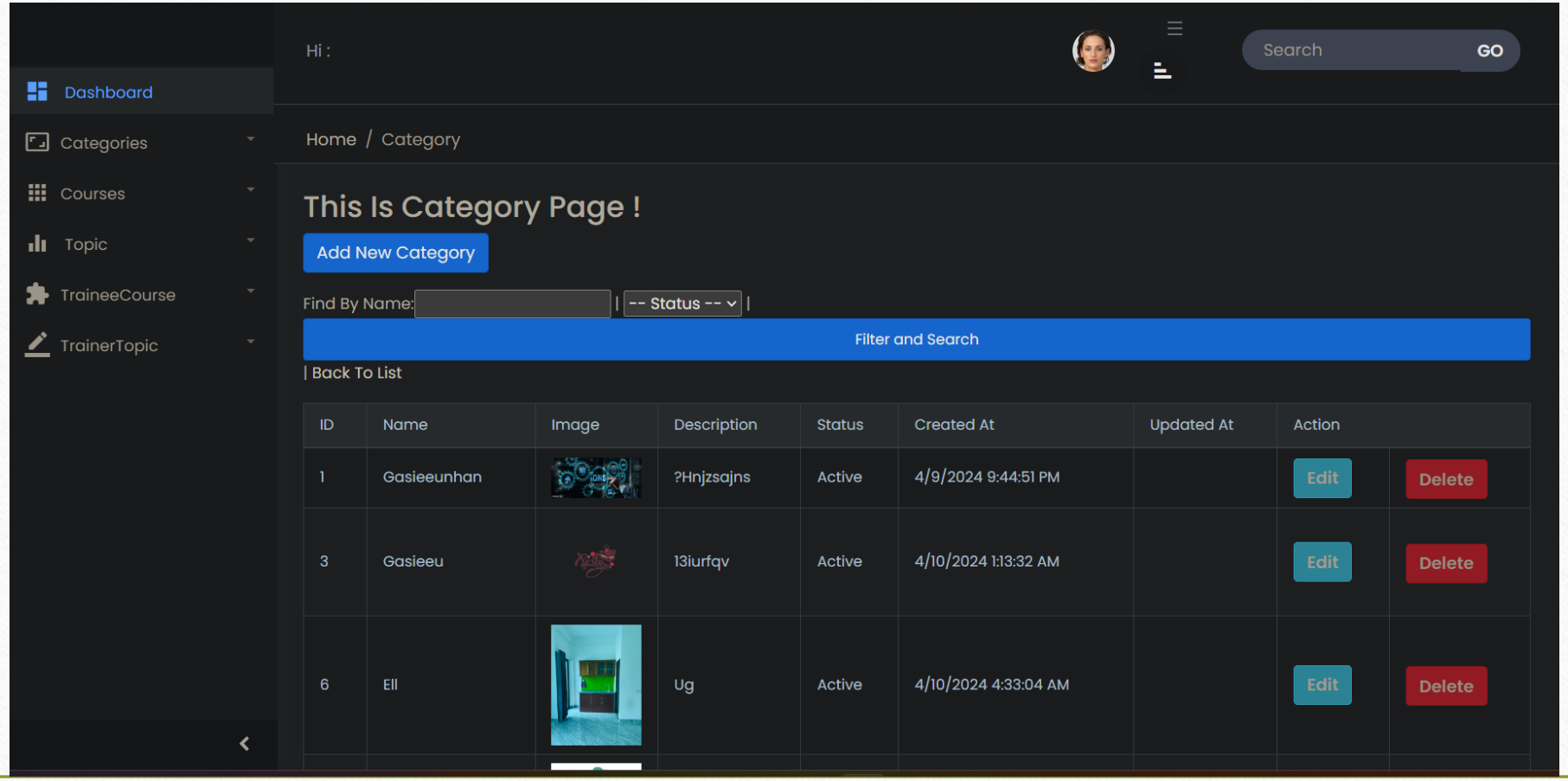
In response to the fast-paced technological advancements shaping our world today, FPT Co. recognizes the importance of fostering a culture of ongoing learning within the organization. To facilitate this, there's a pressing need to develop a robust system dedicated to managing the company's internal training initiatives comprehensively. This system will be equipped with a range of features, including trainee account administration, trainer oversight, course category management, course administration, topic management, and the allocation of trainees to courses. The Human Resources (HR) department will serve as the primary user of this system, which will be structured around three distinct roles: administrator, training staff, and trainers.

1. PROJECT'S REQUIRED TOPIC

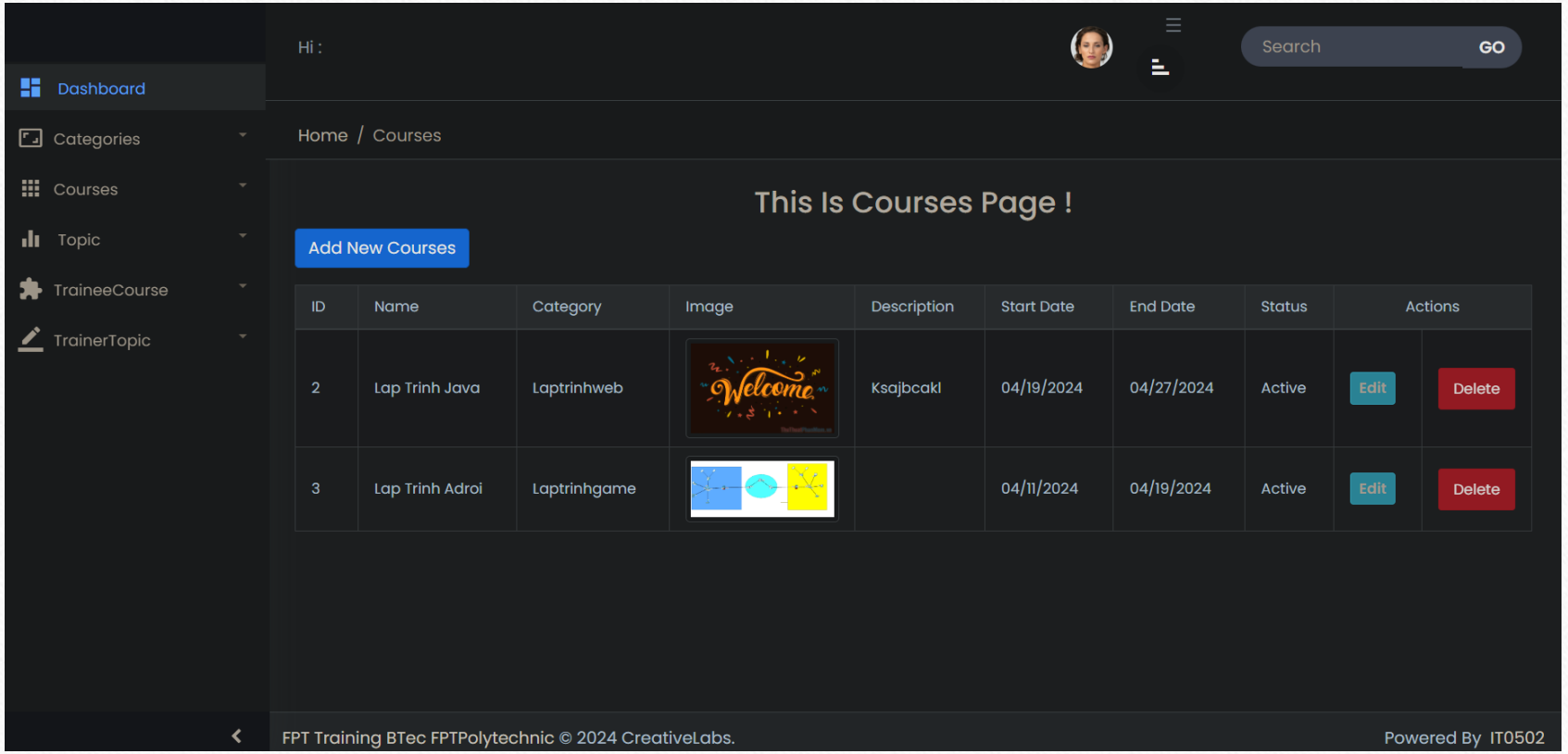
2. PROJECTS COMPLETED FUNCTIONS

Key functionalities accomplished in the project:
- Seamless login functionality integrated at the forefront of the application.
- User account management functionalities for trainers and training staff, including creation, modification, and deletion.
- Comprehensive management of trainees, facilitating CRUD operations for trainee records.
- Efficient management of trainers, enabling CRUD operations for trainer records.
- Flexible category management, allowing CRUD operations for category records.
- Streamlined course management, providing CRUD operations for course records.
- Effective topic management, facilitating CRUD operations for topic records.
- Implementation of role-based permissions, empowering administrators to tailor access rights for trainers and training staff.
- Assignment of trainers to specific topics, facilitating the alignment of trainers with relevant training topics.

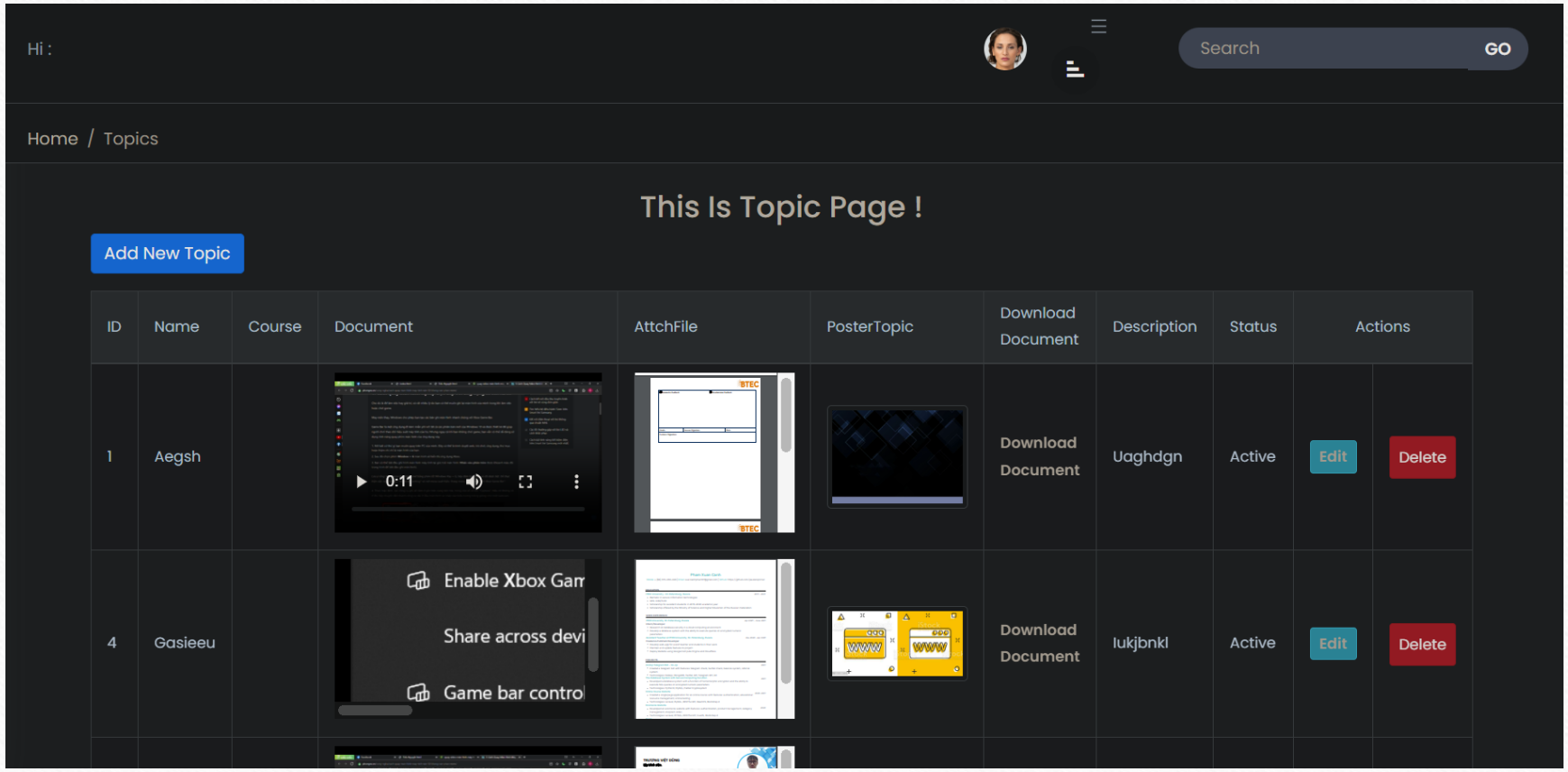
Results demo images



Course management



Topic manager



Main functions and non-functions

Primary functionalities:
- System login via the initial page.
- Oversight of trainees, encompassing CRUD operations for trainee records.
- Oversight of trainers, enabling CRUD operations for trainer records.
- Category management, facilitating CRUD operations for category records.
- Course management, providing CRUD operations for course records.
- Topic management, allowing CRUD operations for topic records.

Non-Functions

1. Performance: Ensure swift response times and efficient handling of substantial data volumes.
2. Security: Safeguard user data and training information against unauthorized access or alterations.
3. Reliability: Sustain consistent and dependable operation to mitigate risks of data loss or corruption.
4. Maintainability: Develop clear, well-documented code that facilitates easy maintenance and upgrades.
5. Mobility: Enable access and management across multiple platforms and devices, ensuring flexibility anytime, anywhere.
6. Scalability: Possess the capability to integrate new features and broaden the system's capabilities as the company expands and the training program evolves.

Results and limitations

FPT Co. is undertaking the development of a training management system tailored for its internal programs. This system, designated for utilization by the HR department, is tasked with managing trainee accounts, trainer profiles, courses, topics, and facilitating the allocation of trainers and trainees.

However, the project is not without its limitations, which encompass scalability hurdles, intricacies associated with integration, security apprehensions, potential resistance to user adoption, maintenance requisites, and customization demands. Tackling these limitations head-on is imperative to ensure the successful implementation and efficacy of the system.

CONCLUSION

In summary, FPT Co.'s initiative to develop a training management system underscores its commitment to fostering a culture of ongoing learning. While the system effectively streamlines the administration of training activities, it faces notable challenges in scalability, integration, security, user adoption, maintenance, and customization. It's paramount to address these hurdles to ensure the successful implementation and effectiveness of the system in augmenting employee development endeavors.

Thank You