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Class: IT0502

ASM 2 - Application Development

Training FPT

Main Parts In Slide

- 01 Clearly state the requirements of the problem
- 02 Project implementation sequence
- 03 Result: Demo image
- 04 Achievement has achieved and limited
- 05 Achievement has achieved and limited



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Clearly state the
requirements of the problem

I. Project requirements and necessary functions

PROJECT REQUIREMENTS

1. Manage student, lecturer and staff accounts.
2. Manage course catalogs and detailed information about each course.
3. Manage topics of courses and assign topics to courses.
4. Assign instructors to topics and students to courses.
5. Manage personal information of users with different roles such as administrators, training staff, and instructors.

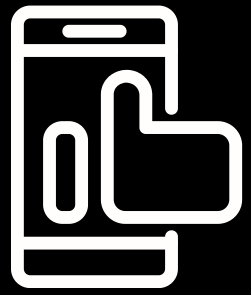
IMPORTANT FEATURES OF FPT CO WEBSITE

1. Flexibility: Allows easy management and updating of information about courses, topics and users.
2. Security: Ensure the safety of personal information and manage user access rights.
3. Interactivity: Allows lecturers and training staff to interact with students and manage the course effectively.

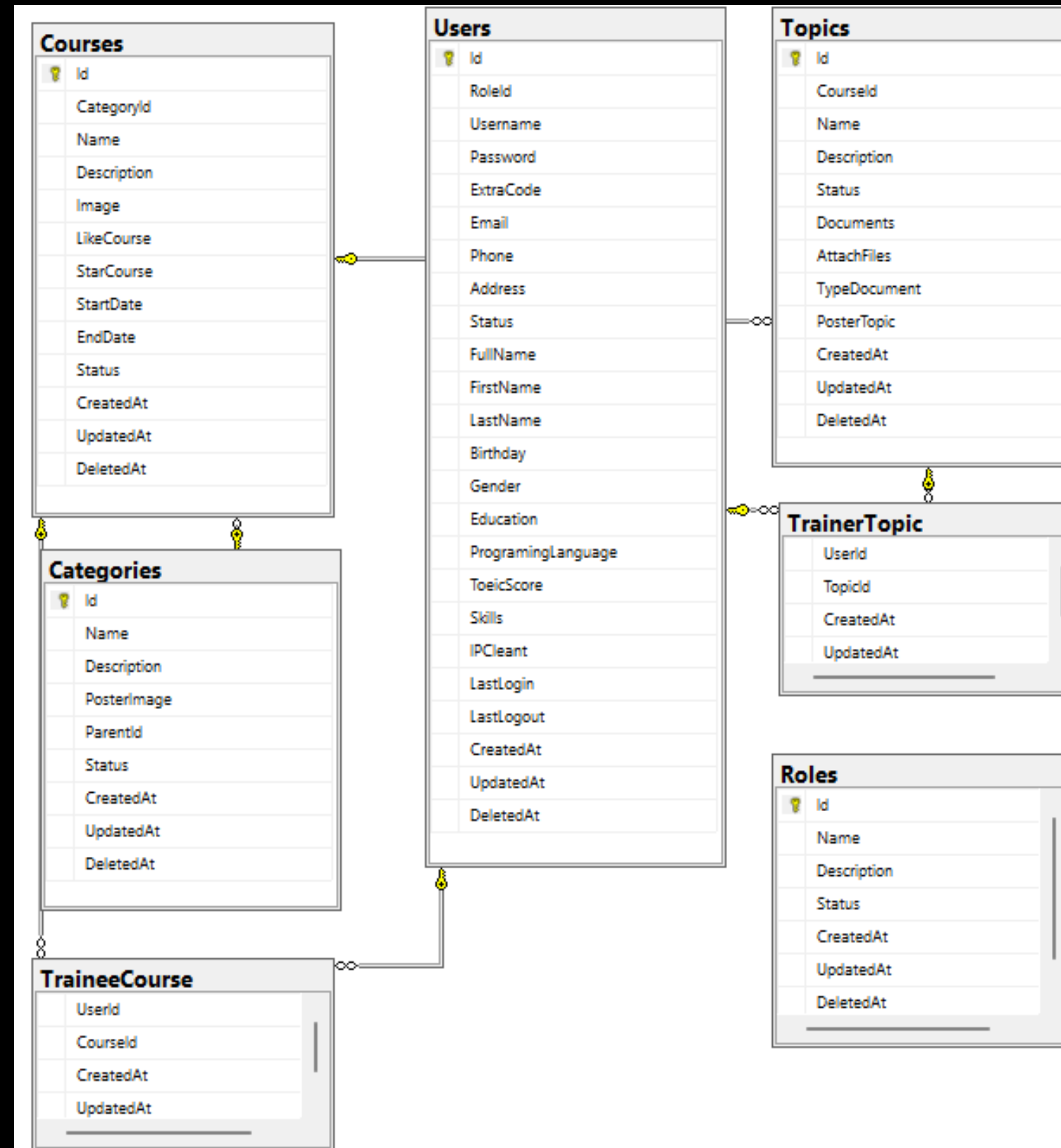


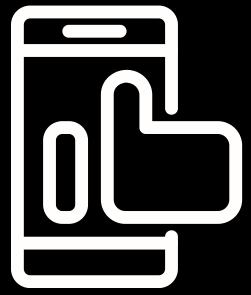
2

Project implementation sequence

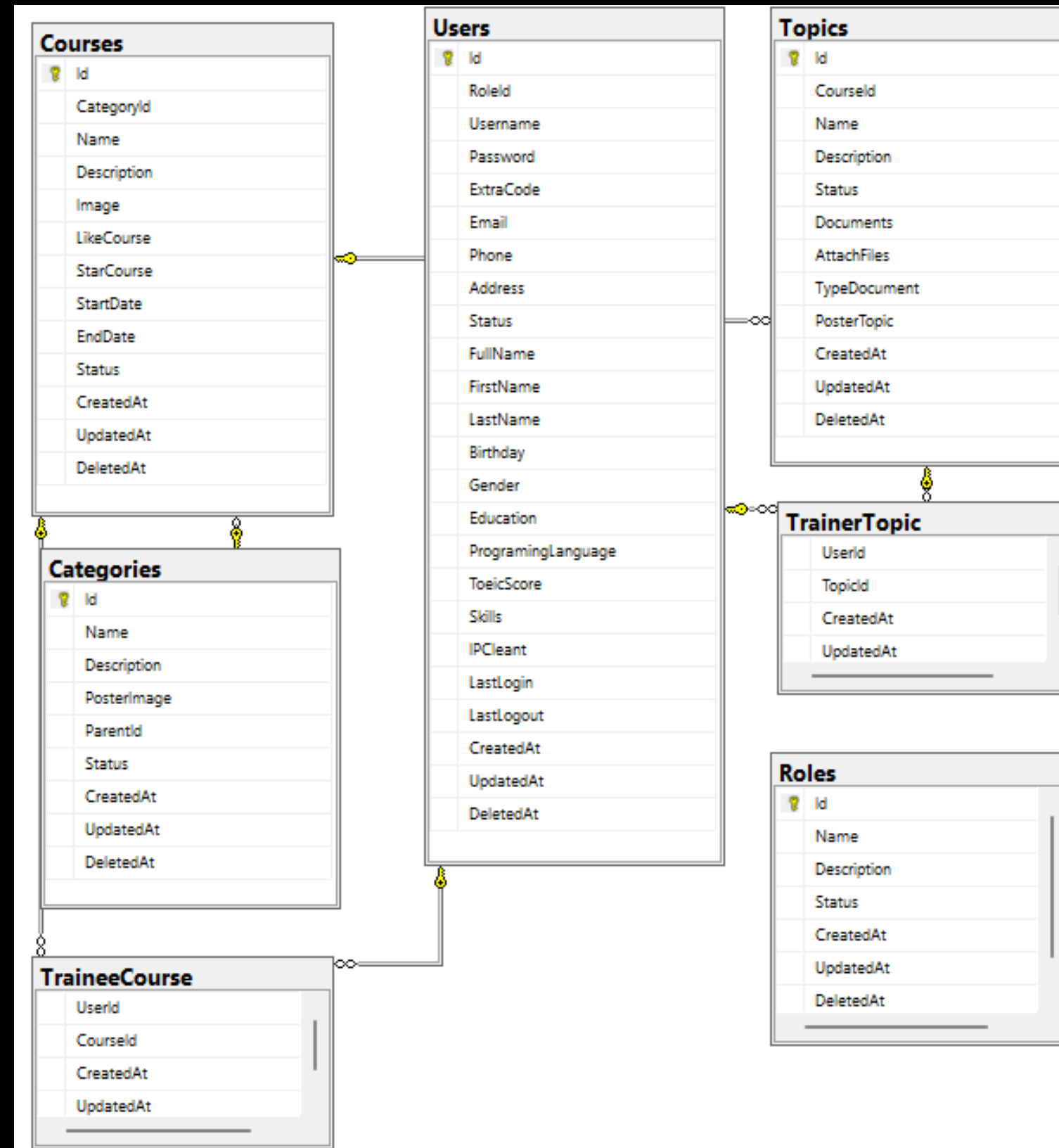


Database Design Model







Database Design Model




Categories

	Column Name	Data Type	Allow Nulls
	Id	int	<input type="checkbox"/>
	Name	varchar(50)	<input type="checkbox"/>
	Description	varchar(MAX)	<input checked="" type="checkbox"/>
	PosterImage	varchar(MAX)	<input type="checkbox"/>
	ParentId	int	<input type="checkbox"/>
	Status	varchar(10)	<input type="checkbox"/>
	CreatedAt	datetime	<input checked="" type="checkbox"/>
	UpdatedAt	datetime	<input checked="" type="checkbox"/>
	DeletedAt	datetime	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Courses

	Column Name	Data Type	Allow Nulls
	Id	int	<input type="checkbox"/>
	CategoryId	int	<input type="checkbox"/>
	Name	varchar(50)	<input type="checkbox"/>
	Description	varchar(MAX)	<input checked="" type="checkbox"/>
	Image	varchar(MAX)	<input type="checkbox"/>
	LikeCourse	int	<input checked="" type="checkbox"/>
	StarCourse	int	<input checked="" type="checkbox"/>
	StartDate	datetime	<input type="checkbox"/>
	EndDate	datetime	<input checked="" type="checkbox"/>
	Status	varchar(50)	<input type="checkbox"/>
	CreatedAt	datetime	<input checked="" type="checkbox"/>
	UpdatedAt	datetime	<input checked="" type="checkbox"/>
	DeletedAt	datetime	<input checked="" type="checkbox"/>

Roles

	Column Name	Data Type	Allow Nulls
	Id	int	<input type="checkbox"/>
	Name	varchar(50)	<input type="checkbox"/>
	Description	varchar(200)	<input checked="" type="checkbox"/>
	Status	varchar(20)	<input type="checkbox"/>
	CreatedAt	datetime	<input checked="" type="checkbox"/>
	UpdatedAt	datetime	<input checked="" type="checkbox"/>
	DeletedAt	datetime	<input checked="" type="checkbox"/>

Topics

	Column Name	Data Type	Allow Nulls
▶ 🔑	Id	int	<input type="checkbox"/>
	Courseld	int	<input type="checkbox"/>
	Name	varchar(50)	<input type="checkbox"/>
	Description	varchar(MAX)	<input checked="" type="checkbox"/>
	Status	varchar(20)	<input type="checkbox"/>
	Documents	varchar(MAX)	<input type="checkbox"/>
	AttachFiles	varchar(MAX)	<input checked="" type="checkbox"/>
	TypeDocument	varchar(MAX)	<input type="checkbox"/>
	PosterTopic	varchar(MAX)	<input type="checkbox"/>
	CreatedAt	datetime	<input checked="" type="checkbox"/>
	UpdatedAt	datetime	<input checked="" type="checkbox"/>
	DeletedAt	datetime	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Trainee Courses

	Column Name	Data Type	Allow Nulls
▶	UserId	int	<input type="checkbox"/>
	Courseld	int	<input type="checkbox"/>
	CreatedAt	datetime	<input checked="" type="checkbox"/>
	UpdatedAt	datetime	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Trainer Topic

	Column Name	Data Type	Allow Nulls
▶	UserId	int	<input type="checkbox"/>
	TopicId	int	<input type="checkbox"/>
	CreatedAt	datetime	<input checked="" type="checkbox"/>
	UpdatedAt	datetime	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

User

	Column Name	Data Type	Allow Nulls
▶🔑	Id	int	<input type="checkbox"/>
	RoleId	int	<input type="checkbox"/>
	Username	varchar(50)	<input checked="" type="checkbox"/>
	Password	varchar(150)	<input checked="" type="checkbox"/>
	ExtraCode	varchar(50)	<input type="checkbox"/>
	Email	varchar(50)	<input type="checkbox"/>
	Phone	varchar(30)	<input type="checkbox"/>
	Address	varchar(MAX)	<input type="checkbox"/>
	Status	varchar(20)	<input type="checkbox"/>
	FullName	varchar(50)	<input checked="" type="checkbox"/>
	FirstName	varchar(50)	<input type="checkbox"/>
	LastName	varchar(50)	<input type="checkbox"/>
	Birthday	date	<input type="checkbox"/>
	Gender	varchar(10)	<input type="checkbox"/>
	Education	varchar(150)	<input checked="" type="checkbox"/>
	ProgramingLanguage	varchar(50)	<input checked="" type="checkbox"/>
	ToeicScore	int	<input checked="" type="checkbox"/>
	Skills	varchar(MAX)	<input checked="" type="checkbox"/>
	IPCleant	nvarchar(MAX)	<input checked="" type="checkbox"/>
	LastLogin	datetime	<input checked="" type="checkbox"/>
	LastLogout	datetime	<input checked="" type="checkbox"/>
	CreatedAt	datetime	<input checked="" type="checkbox"/>
	UpdatedAt	datetime	<input checked="" type="checkbox"/>
	DeletedAt	datetime	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Application Interface



Alliance with  Education

Login FPT Training

Sign In to your account



ADMIN



...

Login

Application Interface

Account

COREUI

Dashboard NEW

MANAGEMENT

Accounts

Categories

Courses

Topic

Hi: ADMIN@GMAIL.COM

Home / Account

Add new Account

Find by Username or FullNames: |

-- Status --

 |

Filter and Search

 | [Back To list](#)

ID	Role	Status	Username	ExtraCode	Email	Phone	Address	FullName	Birthday	Gender	Created At	Updated At	Action
1	Admin	Active	ADMIN	123	ADMIN@GMAIL.COM	0123456789	HA NOI	ADMIN	5/18/2001 12:00:00 AM	NAM			<div>Edit</div> <div>Delete</div>

Application Interface

Categories

COREUI

Dashboard

NEW

MANAGEMENT

Accounts

Categories

Courses

Topic

Hi :


Home / Category

Add new Category

Find by Name: | -- Status -- |

Filter and Search

 | [Back To list](#)

ID	Name	Image	Description	Status	Created At	Updated At	Action
1	Lap Trinh Web		Lap Trinh Web 1	Active	4/8/2024 8:50:57 PM		<div>Edit</div> <div>Delete</div>

Application Interface

Courses

COREUI

Dashboard

NEW

MANAGEMENT

Accounts

Categories

Courses

Topic

Hi:

Avatar

Home / Courses

Add Course +

Find by name:

--- Choose Status ---

Search and Filter

Back to lists

ID	Name	Category	Image	Description	Start date	End date	Status	Action
1	Khoa hoc bao mat thong tin	1		ADMIN	4/25/2024 12:00:00 AM	4/26/2024 12:00:00 AM	Active	<div>Edit</div> <div>Delete</div>

Application Interface

Topic

COREUI

DashboardNEW


MANAGEMENT

Accounts

Categories

Courses

Topic

Hi: 

/

Add Topic +

Find by name: | Filter by status : --- Choose Status --- |

Search and Filter

 | [Back to lists](#)

ID	Name	Course	Description	Status	Documents	TypeDocument	PosterTopic	Created At	Updated At	Action
1	Khoa hoc bao mat thong tin1	1	ADMIN 2	Deactive	Download Documents			4/8/2024 8:51:41 PM	4/9/2024 9:55:22 AM	<div>EditDelete</div>
2	Lap Trinh Web	1	a	Active	Download Documents			4/8/2024 9:11:05 PM		<div>EditDelete</div>



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Achievements and Limitations

Achievements and Limitations

ACHIEVEMENT

1. Successfully built a website to manage internal training activities for FPT Co., meeting basic requirements and important management functions.
2. Develop a friendly and easy-to-use user interface, helping users easily interact and manage information.
3. Create a user account performance management system, including student, student, and employee account management.
4. Build a solid database to store course, topic, and user information, ensuring data consistency and security.
5. Deploy the feature of allocating topics to courses and assigning students to topics, creating conditions for managing and assigning work.
6. Train and support users effectively, helping them get acquainted and use the system conveniently.

LIMIT

1. Having difficulty integrating some complex features, some functions may not work perfectly.
2. Lack of flexibility in changing requirements or updating new features due to insufficient extensibility of the system architecture.
3. Sometimes there are problems with system performance when many users access at the same time.



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Conclude

During the project development process, I achieved many important achievements and also faced some limitations. However, the project met the training management needs of FPT Co. in the best way possible. Importantly, we have learned a lot from this experience and are willing to apply these lessons to future projects for further improvement and development.

Thank you everyone for watching and listening

DISCOVER OUR COURSES

VISIT OUR CODE

[HTTPS://GITHUB.COM/CHUMEODEN/TESTCODE](https://github.com/chumeaden/testcode)