

SOFTWARE REQUIREMENTS SPECIFICATION

FOR

TRAINING SYSTEM MANAGEMENT

Version 1.0

Prepare by

Group: Travatek

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Course: Application Development



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I.Introduction

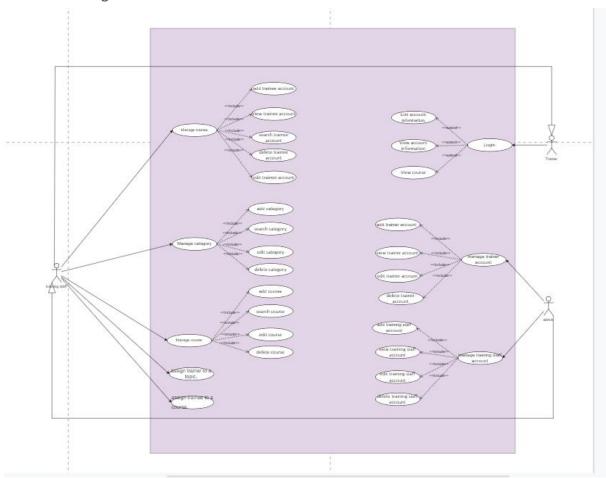
The SRS for our training system project will be designed here. I will go into great length on both the functional and non-functional needs for our project there. The ERD will then be drawn to depict the relationships and the entities inside them. We'll start by drawing the ERD before moving on to the use case diagram. We will create a use case description table to better describe our project in order to help others comprehend the use case diagram. Draw.io is another program I use for drawing. Finally, we go over our project once more.



II. High Level Requirement

- 1. Product Perspective
- 2. Actor and Use Cases Descriptions

2.1. Diagram



2.2. Actor Description

We have 3 actors:

- Admin: is a person or a group of people who manage the website.
- Trainees: is an actor with access to the website.
- Trainers: similar to the role of Admin but with less rights and still managed by admin.

2.3. Use Case List

Use case code	Use case name	Description
Admin		



UC01	Add trainer account	admin can add a trainer account to system
UC02	Edit trainer account	edit trainer information
UC03	View trainer account	view account in system
UC04	Delete trainer account	remove an account from system
UC05	Add training staff account	admin can add a trainer account to system
UC06	Edit training staff account	edit training staff account information
UC07	View training staff account	view account in system
UC08	Delete training staff account	remove an account from system
Training staff		
UC09	Add trainee account	staff can add a trainee account
UC10	View trainee account	view account in system
UC11	Edit trainee account	edit account in system
UC12	Search trainee account	search by keyword of a trainee
UC13	Delete trainee account	remove an account from system
UC14	Add category	add a category in system
UC15	Edit category	edit a category in system
UC16	Delete category	remove a category in system
UC17	Add course	add a course in system
UC18	Edit course	edit a course information
UC19	View course	view a course in system
UC20	Search course	search by keyword a course
UC21	Delete course	remove a course in system
UC22	Add trainer profile	add trainer profile information
UC23	Edit trainer profile	edit trainer profile information
L		



UC24	Delete trainer profile	delete trainer profile information
UC25	Assign trainer to a topic.	Assign trainer to a topic.
UC26	Assign trainee to a course.	Assign trainee to a course.
Trainer		
UC27	Login	user login system
UC28	View account information	View account information
UC29	Edit account information	Edit account information
UC30	View course	view trainer assigned course

2.4. Use Case & Actor Mapping

Use case code	Use case name	Admin	Training staff	Trainer
UC01	Add trainer account	х		
UC02	Edit trainer account	х		
UC03	View trainer account	х		
UC04	Delete trainer account	х		
UC05	Add training staff account	х		
UC06	Edit training staff account	х		
UC07	View training staff account	х		
UC08	Delete training staff account	х		
UC09	Add trainee account		х	
UC10	View trainee account		х	
UC11	Edit trainee account		х	
UC12	Search trainee account		х	



UC13	Delete trainee account	х	
UC14	Add category	х	
UC15	Edit category	х	
UC16	Delete category	х	
UC17	Add course	x	
UC18	Edit course	x	
UC19	View course	x	
UC20	Search course	x	
UC21	Delete course	x	
UC22	Add trainer profile	х	
UC23	Edit trainer profile	х	
UC24	Delete trainer profile	х	
UC25	Assign trainer to a topic.	х	
UC26	Assign trainee to a course.	х	
UC27	Login		х
UC28	View account information		х
UC29	Edit account information		х
UC30	View course		х



2.5. Functional requirement

Admin

Manage training staff account:

- Add training staff account
- View training staff account
- Edit training staff account
- delete training staff account

Manage trainer:

- Add trainer account
- View trainer account
- Edit trainer account
- delete trainer account

Training staff

Manage trainee

- Add trainee account
- View trainee account
- Search trainee account by account, programming language, TOIEC score...
- Update trainee account
- Delete trainee account

Manage Category

- Add category
- Search category
- Edit category
- Delete category

Manage course

- Add course
- Search course
- Edit course
- Delete course

Manage trainer

- Add trainer profile
- Search trainer profile
- Edit trainer profile



- Delete trainer profile
- Assign trainer to a topic.
- Assign trainee to a course.

Trainer

- Login
- Edit account
- View course

2.6. Non-functional requirements

Cultural & Political:

- Courses are not violent
- The courses are not corrupted
- Courses are not allowed to use insult languages to individuals or organizations
- Currency: VND

Performance:

- The system has the ability to allow access at the same time 100,000 users
- Web page loading time does not exceed 5s
- Operating system 24/7

Security:

- Users can register / log in account via phone number, Facebook, Twitter, Google
- With the account purchased the course will be secure 2 layers
- When logged in with another device, the system will send a warning about the host device
- Authentication by email or phone number

Operational:

- 3. Compatible in a variety of devices: phones, computers, tablets
- 4. Backup all activities are manipulated on the system



5. Use Case Model

Use Case Description -01

Name	Add trainer	Code	UC01	
	account			
Description	Admin can add a	new trair	ner account in the system	
Actor	Admin	Trigger	Actor press the Add account on the User	
			Management page (Admin)	
Pre-	Admin has successfully logged into the system			
condition				
Post	Add trainer account successfully			
condition				

Activities

Ac	tor	System		
M	ain Flow: Add trainer account successfully			
1	From the Dashboard page, admin select the trainer item and click on the "Add new account" button to add a new trainer account.			
		2	The system displays a blank form to fill in information	
3	Admin fills in trainer's account information then press "save" button			
		4	The system will display the information panel of the trainer account admin just added	

Name	Edit trainer account	Code	UC02	
Description	Admin can edit trainer account information in the system			
Actor	Admin	Trigger	Actor press the Edit account on the User Management page (Admin)	
Pre- condition	Admin has successfully logged into the system			



Post	Edit account successfully
condition	

Ac	Actor		stem	
M	Main Flow: Edit trainer account information successfully			
1	From Dashboard page, admin choose a trainer account that admin want to edit			
		2	The system displays an information form to edit	
3	Admin edit trainer information from the form and click on "Save" button			
		4	The system will ask to make sure admin want to change the information	
5	Admin choose "Yes" or "No"			
		6	If the admin chooses "Yes", the system will notify "Edit successfully!". If the admin chooses "No", the system will go back to the User Management page.	

Use Case Description -03

Name	View trainer account	Code	UC03			
Description	Admin can view trainer account information in the system					
Actor	Admin	Trigger	Actor press the View account on the User Management page (Admin)			
Pre- condition	Admin has successfully logged into the system					
Post condition	View trainer account successfully					

Ac	ctor	System		
M	ain Flow: View trainer account information succes	sfu	lly	
1	From Dashboard page, admin choose a user account that admin want to view			
		2	The system displays all information of trainers' account	



Name	Delete trainer account	Code	UC04		
Description	Admin can delete	an delete trainer account from the system			
Actor	Admin	Trigger	Actor press the Delete account on the User		
			Management page (Admin)		
Pre-	Admin has successfully logged into the system				
condition					
Post	Delete account successfully				
condition					

Activities

Ac	Actor		stem			
M	Main Flow: Delete trainer account information successfully					
1	From Dashboard page, admin choose a trainer account that admin want to delete					
		2	The system display all trainers' accounts			
3	Admin choose any trainer who is no longer teaching in the system					
		4	The system will ask to make sure the admin want to delete that trainer account.			
5	Admin choose "Yes" or "No"					
		6	If the admin chooses "Yes", the system will notify "Delete successfully!". If the admin chooses "No", the system will go back to the User Management page.			

Name	Add training staff	Code	UC05	
	account			
Description	Admin can add a ne	add a new training staff account in the system		
Actor	Admin	Trigger Actor press the Add account on the		
			Management page (Admin)	
Pre-	Admin has successfu	sfully logged into the system		
condition				



Post	Add new training staff account successfully
condition	

Ac	tor	Sy	stem
M	ain Flow: Add training staff account successfully		
1	From the Dashboard page, admin select the training staff item and click on the "Add new account" button to add a new training staff account.		
		2	The system displays a blank form to fill in information
3	Admin fills in training staff's account information then press "save" button		
		4	The system will display the information panel of the training staff account admin just added

Use Case Description -06

Name	Edit training staff account	Code	UC06			
Description	Admin can edit training staff account information in the system					
Actor	Admin	Trigger	Actor press the Edit account on the User Management page (Admin)			
Pre-	Admin has successfully logged into the system					
condition						
Post	Edit training staff account successfully					
condition						

Ac	Actor		stem
M	ain Flow: Edit training staff accou	nformation successfully	
1	From Dashboard page, admin		
	choose a training staff account		
	that admin want to edit		
		2	The system displays an information form to edit
3	Admin edit training staff		
	information from the form and		
	click on " Save" button		



		4	The system will ask to make sure admin want to
			change the information
5	Admin choose "Yes" or "No"		
		6	If the admin chooses "Yes", the system will notify
			"Edit successfully!". If the admin chooses "No", the
			system will go back to the User Management page.

Name	View training staff account	Code	UC07		
Description	Admin can view trai	ew training staff account information in the system			
Actor	Admin	Trigger	Actor press the View account on the User Management page (Admin)		
Pre-	Admin has successfu	nin has successfully logged into the system			
condition					
Post	View training staff a	aff account successfully			
condition					

Activities

Ac	tor	System		
M	ain Flow: View training staff account information	suc	cessfully	
1	From Dashboard page, admin choose a training			
	staff account that admin want to view			
		2	The system displays all information	
			of training staffs' account	

Name	Delete training staff account	Code	UC08		
Description	Admin can delete tra	raining staff account information in the system			
Actor	Admin	Trigger	Actor press the Delete account on the User		
			Management page (Admin)		
Pre-	Admin has successfu	ully logged into the system			
condition					
Post	Delete training staff	account s	uccessfully		
condition					



Ac	tor	Sy	stem				
M	Main Flow: Delete training staff account successfully						
1	From Dashboard page, admin						
	choose a training staff account						
	that admin want to delete						
		2	The system display all training staffs' accounts				
3	Admin choose any training						
	staff who is no longer working						
	in the system						
		4	The system will ask to make sure the admin wants to				
			delete that training staff account.				
5	Admin choose "Yes" or "No"						
		6	If the admin chooses "Yes", the system will notify				
			"Delete successfully!". If the admin chooses "No",				
			the system will go back to the User Management				
			page.				

Use Case Description -09

Name	Add trainee	Code	UC09					
	account							
Description	Admin can delete training staff account information in the system							
Actor	Training staff	Trigger	Actor press the Add account on the User					
			Management page (Training staff)					
Pre-	Training staff has successfully logged into the system							
condition		·						
Post	Add trainee acco	Add trainee account successfully						
condition								

Ac	tor	System			
M	ain Flow: Add trainee account successfully				
1	From the Dashboard page, training staff select				
	the trainee item and click on the "Add new				
	account" button to add a new trainee account.				
		2	The system displays a blank form to		
			fill in information		
3	Training staff fills in trainee's account				
	information then press "Save" button				



	4	The	system	will	display	the
		inforr	nation pa	anel o	of the tra	ainee
		accou	ınt trainin	g staff	just adde	ed .

Name	View trainee account	Code	UC08					
Description	Training staff car	in view trainee account information in the system						
Actor	Training staff	Trigger	Actor press the View account on the User Management page (Training staff)					
Pre-	Training staff has	successfully logged into the system						
condition	, 35							
Post	View trainee account successfully							
condition								

Activities

Ac	ctor	Sy	stem			
M	ain Flow: View trainee account successfully					
1	From Dashboard page, training staff choose a					
	trainee account that training staff want to view					
		2	The	system	displays	all
			inforr	nation of tr	ainees' acco	unt

Use Case Description -11

Name	Edit trainee	Code	UC11				
	account						
Description	Users can edit tr	ainee acc	ount information in the system				
Actor	Training staff	Trigger	Actor press the Edit account on the User				
			Management page (Training staff)				
Pre-	Training staff ha	s successf	successfully logged into the system				
condition							
Post	Edit account suc	cessfully					
condition							

Actor	System
Main Flow: Edit account successfully	



1	From User Management page, actor		
	chooses a account to edit		
		2	The system display account's information in
			form
3	Actor changes account's information		
	and then click the "save" button.		
		4	The system will display the information panel
			of the account's information just edited

Name	Search trainee	Code	UC12					
	account							
Description	Users can search t	rainee account information in the system						
Actor	Training staff	Trigger	Actor press the Search box on the User Management page (Training staff)					
Pre-	Training staff has	successfully logged into the system						
condition								
Post	Search trainee acc	h trainee account successfully						
condition								

Activities

Ac	ctor	System			
M	ain Flow: Search trainee account successfully				
1	From Course Management page, training staff enter trainee's information and click on Search button				
		2	The system display trainee's information from Database on GridView		

Business Rules

No.	Name	Description
1	Display Gridview	GridView displays data correctly and data is guaranteed encode before rendering, make sure not to damage the page when the data is too long.
2	Hide GridView	Hide Gridview when there is no data. Show message not found a satisfied user.

System Message

No.	Description
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MS12 | "The system did not find the above customer information. Please try again." A notification message when the system cannot find a user that meets the condition actor's search

Use Case Description -13

Name	Delete trainee	Code	UC13				
	account						
Description	Users can delete trainee account information in the system						
Actor	Training staff	Trigger	Actor press the Delete account on the User				
			Management page (Training staff)				
Pre-	Training staff has	successfu	Illy logged into the system				
condition							
Post	cessfully						
condition							

Activities

Ac	tor	System		
M	ain Flow: Delete trainee account success	fully	У	
1	From User Management page, actor			
	chooses a trainee account to delete			
		2	The system will delete the trainee account	
			from database after completing confirmation	

System Message

No.	Description
MS16	"Are you sure to delete this account from the database?"

Name	Add	Code	UC14					
	category							
Description	Users can ad	Users can add new a category in the system						
Actor	Training	Trigger	Actor press the Add button on the Category					
	staff		Management page (Training staff)					
Pre-	Training staf	Training staff has successfully logged into the system						
condition								
Post	Add new cat	Add new category successfully						
condition								



Ac	Actor		System			
M	ain Flow: Add new category successf	ully				
1	From Category Management page, actor clicks on Add button					
		2	The system display add new form			
3	Actor enters category's information and then click the "save" button.					
		4	The system will redirect to Category Management page and display the category's information just added.			

Use Case Description -15

Name	Edit	Code	UC15					
	category							
Description	Users can ed	sers can edit category in the system						
Actor	Training	Trigger	Actor press the Edit account on the Category					
	staff		Management page (Training staff)					
Pre-	Training staff has successfully logged into the system							
condition								
Post	Edit category successfully							
condition								

Activities

Ac	tor	System		
M	ain Flow: Edit category successfully			
1	From Category Management page,			
	actor chooses a category to edit			
		2	The system display category's information in	
			form	
3	Actor changes category's information			
	and then click the "save" button.			
		4	The system will display the information panel	
			of the category's information just edited	

Name	Delete	Code	UC16	
	category			
Description	Description Users can delete existed category in the system			



Actor	Training	Trigger	Actor press the Delete account on the Category						
	staff		Management page (Training staff)						
Pre-	Training staff has successfully logged into the system								
condition									
Post	Delete category successfully								
condition			,						

Ac	tor	System	
M	ain Flow: Delete category successfully		
1	From Category Management page,		
	actor chooses a category to delete		
		2	The system will delete the category from
			database after completing confirmation

System Message

No.	Description
MS16	"Are you sure to delete this category from the database?"

Use Case Description -17

Name	Add new	Code	UC17	
	course			
Description	Users can add new course in the system			
Actor	Training	Trigger	Actor press the Add account on the Course	
	staff		Management page (Training staff)	
Pre-	Training staff has successfully logged into the system			
condition				
Post	Add new course successfully			
condition				

Actor		Sy	System				
Main Flow: Add new course successfull							
1	From Course Management page, actor clicks on Add button						
		2	The system display add new form				
3	Actor enters course's information and then click the "save" button.						



	4	The system will redirect to Course Management
		page and display the course's information just added.
		auueu.

Name	Edit course	Code	UC18				
Description	Users can edit course in the system						
Actor	Training staff	Trigger	Actor press the Edit course on the Course Management page (Training staff)				
Pre-	Training staf	Training staff has successfully logged into the system					
condition							
Post	Edit course successfully						
condition							

Activities

Ac	tor	System		
M	ain Flow: Edit course successfully			
1	From Course Management page , training staff chooses a course to edit			
		2	The system display course's information in form	
3	Actor changes course's information and then click the "save" button.			
		4	The system will display the information panel of the course's information just edited	

Use Case Description -19

Name	View	Code	de UC19		
	course				
Description	Users can view course information in the system				
Actor	Training	Trigger	Actor press the Detail on the Course Management		
	staff		page (Training staff)		
Pre-	Training staff has successfully logged into the system				
condition					
Post	View course successfully				
condition					

Actor	System
Main Flow: View course successfully	



1	From Course Management page, actor chooses a course to view detail.					
	a coarse to view detail.	2	The	system	display	course's
			inforr	•	n Database	

Name	Search	Code	UC20			
	course					
Description	Users can edi	Users can edit trainee account information in the system				
Actor	Training	Trigger	Actor press the Search box on the Course			
	staff		Management page (Training staff)			
Pre-	Training staff has successfully logged into the system					
condition						
Post	Search course successfully					
condition						

Activities

Ac	ctor	Sy	stem
M	ain Flow: Search course successfully		
1	From Course Management page, training staff enter course's information and click on Search button		
		2	The system display course's information from Database on GridView

Business Rules

No.	Name	Description
1	Display Gridview	GridView displays data correctly and data is guaranteed encode before rendering, make sure not to damage the page when the data is too long.
2	Hide GridView	Hide Gridview when there is no data. Show message not found a satisfied user.

System Message

No.	Description
MS20	"The system did not find the above course information. Please try again." A notification message when the system cannot find a course that meets the condition



actor's search

Use Case Description -21

Name	Delete course	Code	UC21					
Description	Users can delete a course in the system							
Actor	Admin, staining staff	Trigger	Actor press delete course on the course management page					
Pre-condition	users has successfully logged into the system							
Post condition	delete course successfully							

Activities

Ac	Actor		stem
Main Flow:Delete course successfully			
1	From course Management page, actor chooses a course to delete		
		2	The system will delete the course from database after completing confirmation

Use Case Description -22

Name	Add trainer profile	Code	UC22			
Description	Users can add trainer profile in the system					
Actor	Admin, staining staff	Trigger Actor press the Edit account on the User Management page (Admin)				
Pre-	user has successfully logged into the system					
condition						
Post	add trainer profile successfully					
condition						

Actor	System
Main Flow: Add trainer profile successfully	



1	From trainer profile Management		
	page, actor clicks on Add button		
		2	The system display add new form
3	Actor enters profile information		
	and then click the "save" button.		
		4	The system will redirect to profileManagement
			page and display the profile information just
			added.

Name	Edit trainer profile	Code	UC23			
Description	Users can edit trainer profile in the system					
Actor	Admin, training	Trigger	Actor press the Edit account on the User			
	staff		Management page (Admin)			
Pre-	actor has successfully logged into the system					
condition						
Post	Edit trainer profile successfully					
condition	·					

Activities

Ac	Actor		System	
Main Flow: Edit trainer profile successfully				
1	From profile page, actor choose a			
	profile that actor want to edit			
		2	The system display profile information	
3	Actor changes profile information and			
	then click the "save" button.			
		4	The system will display the information	
			panel of the profile actor just edited	

Name	Delete trainer profile	Code	UC24			
Description	Users can delete trainer profile from the system					
Actor	Admin, training staff	Trigger	Actor press the Edit account on the User Management page (Admin)			



Pre-	Admin has successfully logged into the system			
condition				
Post	delete profile successfully			
condition				

Actor		Sy	System	
M	ain Flow: Delete trainer profile successfu	lly		
1	From course Management page, actor			
	chooses a course to delete			
		2	The system will delete the course from	
			database after completing confirmation	

Use Case Description -25

Name	Assign trainer to a topic.	Code	UC25		
Description	Users assign trainer t	o a topic.			
Actor	Admin, training staff	Trigger	Actor assign on the trainer Management page (Admin)		
Pre-condition	Admin has successful	ly logged	into the system		
Post	Assign trainer successfully				
condition					

Activities

Ac	ctor	Sy	System				
M	ain Flow: assign trainer successfully						
1	From topic page, training staff choose a trainer to						
	assign						
		2	The	system	display	assign	
			succe	ssfully			

Name	Assign trainee to a course.	Code	UC26
Description	Users Assign trainee to	a course	



Actor	Admin, training staff	Trigger	Actor press the assign on the course page			
			(Admin)			
Pre-condition	Admin has successfully logged into the system					
Post	assign successfully					
condition						

Ac	tor	Sy	System				
M	ain Flow:assign trainee successfully						
1	From course page, training staff choose a trainer						
	to assign						
		2	The	system	display	assign	
			succe	ssfully			

Use Case Description -27

Name	Login	Code	UC27			
Description	Users can login the system					
Actor	Admin, training staff, trainer	Trigger	Actor press the Edit account on the User Management page (Admin)			
Pre-	Actor access to the system					
condition						
Post	login successfully					
condition						

Activities

Actor		Sy	System			
M	ain Flow: login successfully					
1	Click into "Login" button					
		2	The system displays "login form"			
3	Choose a way to login and					
	enter suitable information					
		4	Verify entered information with information in the			
			database and redirect actor into a suitable page (depend			
			on division' account)			



Name	View	account	Code	UC28	
	information				
Description	Users can vie	w accoun	nt informa	tion in the system	
Actor	Admin, traini	ng staff,	Trigger	Actor press the Edit account on the User	
	trainer			Management page (Admin)	
Pre-	actor has successfully logged into the system				
condition					
Post	view account				
condition					

Ac	tor	Sy	stem
M	ain Flow: view account information successfully		
1	From Dashboard page, admin choose a user account that admin want to view		
	account that damm want to view	2	The system displays all information of trainers' account

Use Case Description -29

Name	Edit account	Code	UC29		
	information				
Description	Users can edit account information in the system				
Actor	Admin, training staff,	Trigger	Actor press the Edit account on the User		
	trainer		Management page (Admin)		
Pre-	Admin has successfully logged into the system				
condition					
Post	Edit account successfully				
condition					

Actor			stem
Main Flow: Edit account information successfully			
1	From Dashboard page, admin choose a training staff account that admin want to edit		
		2	The system displays an information form to edit



3	Admin edit training staff		
	information from the form and		
	click on "Save" button		
		4	The system will ask to make sure admin want to
			change the information
5	Admin choose "Yes" or "No"		
		6	If the admin chooses "Yes", the system will notify
			"Edit successfully!". If the admin chooses "No", the
			system will go back to the User Management page.

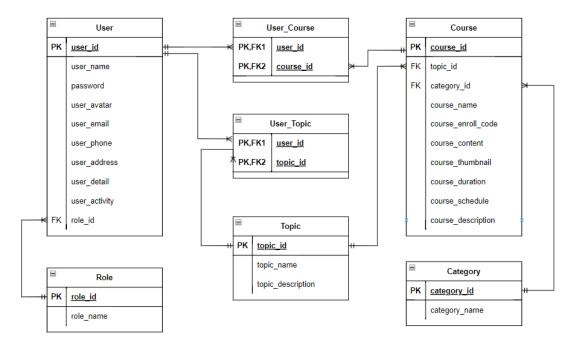
Name	View course	Code	UC30			
Description	Users can view cours	e informa	tion in the system			
Actor	Admin, training	Trigger	Actor press the Edit account on the User			
	staff, trainer		Management page (Admin)			
Pre-	Admin has successfully logged into the system					
condition						
Post	view account successfully					
condition						

Activities

Actor		System				
Main Flow: view course successfully						
1	From Course Management page, actor chooses					
	a course to view detail.					
		2	The	system	display	course's
			information from Database			

6. Entity relation diagram







7. Risk Management

7.1 What is risk?

Risk is a way of calling about things that are not good and good (in a negative way) that cause consequences and leave damage that we do not know.

Good risk management will have the following benefits: Proactively detect potential opportunities and threats that affect project objectives, thereby implementing appropriate solutions to increase the likelihood of opportunities and reduce the impact of threats. Save project costs and time right from the planning stage.

7.2 List of risks

Risks due to software

Software risk issues include those caused by the need for developers to quickly adapt as technology develops. The development sector adopts new platforms, tools, methods, protocols, and standards over time. Because of these adjustments, software development is highly unpredictable.

Solution: In engineering, ongoing education is essential to lowering the hazards associated with cutting-edge technology. There are times when the improper use of tried-and-true tools leads to project failure.

Risk of hardware

Risk issues with hardware could arise.

Devices may malfunction during implementation, either individually or in groups. This will cause delays in the creation and completion of the application as well as financial loss.

Solution: To periodically maintain and examine the status of the gadget, hire 1 to 2 hardware personnel. We should advise the company to replace any outdated or inadequate equipment. Always have one or two backup machines available in case of failure.

Risk due to people

Risk issues can arise due to human factors, including:

The client abruptly modified his demand. As a result, the system is continually overhauled or altered. results in a time and financial loss The health risks the project developer faces will cause the team member in charge of the project to be delayed. Communication issues exist among customers, management, and development personnel. The project manager employs individuals who are inadequate for the duties at hand. The project's time estimate was incorrectly calculated by the manager.



Solution: Following our agreement with the customer, we will draft a contract that outlines the conditions under which the process will not introduce additional risk, must hire qualified managers to carry out the work

Financial risks

The financial aspect may be subject to potential risk issues, such as: Managers may underestimate the amount of funds they will need to spend. Projects may require too much or too little finance, which could result in failure or insufficient funding. Some costs incurred throughout the development process have an impact on the application as well.

Solution: An experienced management is required, and to reduce risks, the investment budget should be more than the cost of production.

List and predict possible risks

- -Data Risk Team
- -Technology risk group
- -The risk group on the organization's transaction process
- -Legal and industry standards risk group
- -Virus
- Hackers and destructive programs (cybervandalism)
- -Risk of credit card fraud
- -Denial of service attack
- Internet thief (sniffer)

Flexibility in risk management

- Work closer to those who need change, including customers, to create the right products.
- Make changes to have a smaller impact, keeping the blast radius to a minimum.
- Explore our way forward with a powerful feedback system to track direction and progress.
- Enhance employees' lives and retain them.
- Simplify.
- Fix things faster.
- Respond to demand faster.
- Accept change at all times, regularly adjusting to suit changing circumstances
- Increase quality.
- Make the system more secure
- Eliminate system debt and cultural debt.



8. Mockup Screens

Dashboard

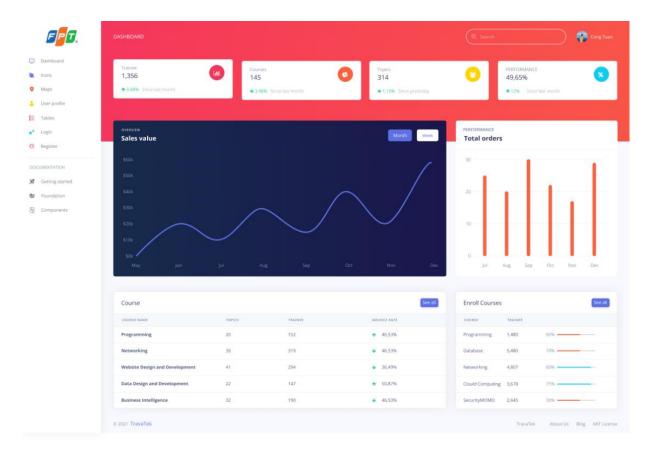


Figure 1: Dashboard page

Manage topic and course





Figure 2: manage topic and course



Manage account

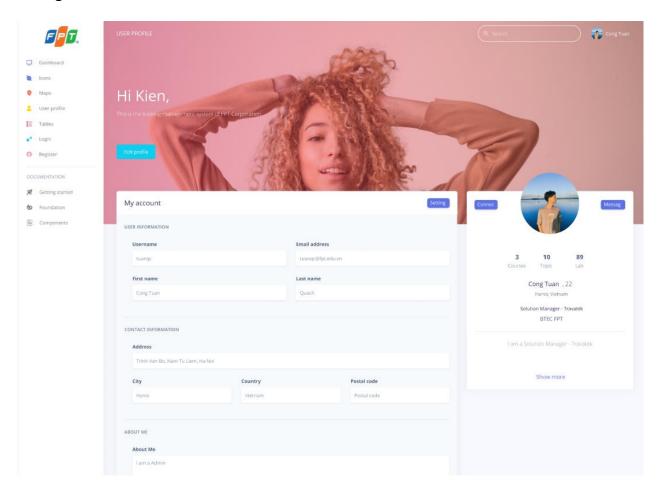


Figure 3: manage profile1



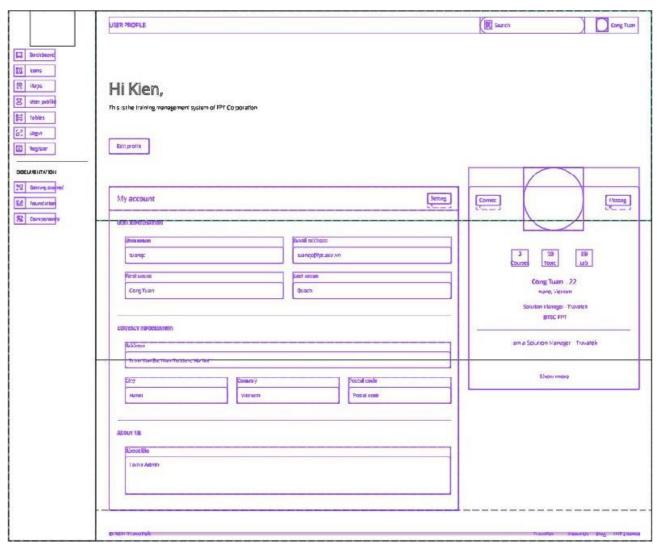


Figure 3: manage profile 2



Trainer manage

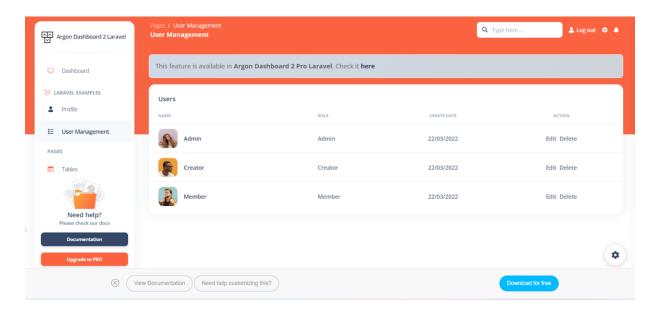


Figure 4: manage account - role

9. Policy

We develop the project with the aim of creating an online training environment for the company's trainees.

We always use and develop innovative technologies to provide safe and practical services to everyone. Besides, enhancing information safety and security is also our top concern.

We guarantee the user's access to the service:

- All registered accounts can use the system
- The user is responsible for the content shared
- Different user accounts have different accessible content, which can be changed using the functions included in the premium account.

In matters arising, the final decision will be ours.

10. Appendices