

ASSIGNMENT 2 FRONT SHEET

Qualification	BTEC HND Diploma in Computing and Systems Development		
Unit number and title	Unit 30: Application Development		
Assignment due		Assignment submitted	
Learner's name	Phạm Việt Đức	Assessor name	Cao Tien Thanh

Learner declaration: I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.			
Learner signature	Đức	Date	

Grading grid

P3	P4	P5	M3	M4	D3	D4
X	X	X				

Assignment title	Assignment 2: Application Implementation and Evaluation
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In this assignment, you will have opportunities to provide evidence against the following criteria.
Indicate the page numbers where the evidence can be found.

Assessment criteria	Expected evidence	Task	Assessor's Feedback
LO3: Work individually and as part of a team to plan and produce a functional business application with support documentation			
P4 Create a formal questionnaire that effectively reviews your business application, problem definition statement, proposed solution and development strategy. Use this questionnaire as part of a peer-review and document any feedback given.	1. Questionnaires to peer-review your application	1	
P5 Develop a functional business application based on a specified business problem	2. A runnable implementation of the application		
LO4: Evaluate the performance of a business application against its Software Design Document and initial requirements			

P4. Review the performance of your business application against the Problem Definition Statement and initial	3. Test plan 4. Test results	3	
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Assessment criteria	Expected Evidence	Feedback (note on Merit/Distinction if applicable)	
Merit descriptor No. (M3)			
Merit descriptor No. (M4)			
Merit descriptor No. (M5)			
Distinction descriptor No. (D2)			
Distinction descriptor No. (D3)			
Summative feedback			
Assessor's Signature		Date	



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I. INTRODUCTION

Serial ASM1, in this ASM will introduce some question assessing efficiency in project to confirmed feasibility it and solution for some problems can be happening. And implement the project according set from to the diagrams in ASM1

II. ANALYZING AND DESIGNING THE SOLUTION

1. The effectively of Project

Questions	Answers
What are the benefits of this Project for FPT?	Create remote management replace a faster, easier than old management on documents .Things become easier,savier area to manage. Other, the project can market for school on website. Helps FPT more popular, many students can learn about and enrolled in the school. To link school and student studying at or student other. It'll give FPT more bang for the buck. Saving manager to manage.
Is this project in the best long-term interests of FPT ?	This project have can apply software development lifecycle, keeping update with the latest developments so it lasts for very long - lived, suitable for long-term development conditions for FPT.
the project's feasibility?	This project is 100% possible because in the present world had having many universities that have applied types of projects like this and they got a lot of successes. We can

	learn and development like them.
What are project's biggest strengths?	Convenience. Can manage whenever and wherever. 24/7. Can add, change, update an easy. Search or see information any time. Don't care about data erosion, weather or find safe place kept documents.
What is development strategy of project ?	<p>Using software development lifecycle to update developments technology, finding holes in the system and update preventive measures when hacker attacks or bug system happened.</p> <p>The cycles of at least one month and at least 6 months per year.</p> <p>The IT team of 2-3 people to ensure long-term development.</p> <p>Functions that can be updated in the future such as: online tuition payment on system, upgrade system accept FPT business online on system. Apply AI into system...</p>

2. Problem in system


Problems	Solutions
when user input URL none real connection, page that does not exist (or no longer exists) or some pages down for maintenance.	linked to 404 page show the latest message alert
Easy-to-see interface, easy to use	All links will be displayed on the navigation bar help user go to wants page fastest.

Problem when input data into database	There is a checking process like: user input wrong username or password, duplicate data, data not valid.
Limited functionality in the system	The system will use a decentralized system for each group of users.


III. DEVELOP A FUNCTIONAL BUSINESS APPLICATION

1.Home page

[ENGLISH](#) | [ESPAÑOL](#) | [259 NGUYEN VAN DAU STREET, BINH THANH DISTRICT, HCM CITY, NC 28202](#) | [+1 984-700-7129](#) | [MON - FRI: 7:00AM - 6:00PM](#) | [LOGIN](#) | [Q](#)

**FPT UNIVERSITY**

[HOME](#) | [COURSES](#) | [EVENT](#) | [PAGES](#) | [CONTACT](#) | [GET STARTED](#)



International Programmes

The study programmes of the FPT University are open to people from all nationalities.

[LEARN MORE](#)

UA Degree Programmes

We offer companies the opportunity to access the technology and knowledge developed at the

2.Login

[ENGLISH](#)
[ESPAÑOL](#)

259 NGUYEN VAN DAU STREET,BINH THANH DISTRICT,HCM CITY, NC 28202

+1 984-700-7129

MON - FRI: 7:00AM - 6:00PM

[LOGIN](#)

FPT UNIVERSITY

[HOME](#)
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UA Degree Programmes

We offer companies the opportunity to access the technology and knowledge developed at the

LOGIN TO YOUR ACCOUNT

[Forgot Password?](#)

[SIGN IN](#)

OR TRY OUR SOCIALS

[EMAIL](#)

The built-in login form on navigation bar helps user can login fastest when on any page. Other, can login by email FPT had have sign up before.

When login successfully

The screenshot displays the FPT University BTEC website. The top navigation bar is dark blue and contains the following elements: language options (ENGLISH, ESPAÑOL), address (259 NGUYEN VAN DAU STREET, BINH THANH DISTRICT, HCM CITY, NC 28202), phone number (+1 984-700-7129), operating hours (MON - FRI: 7:00AM - 6:00PM), and a user greeting/logout section (HELLO, VIỆT ĐỨC | LOGOUT) which is circled in orange. Below the navigation bar is a white section with the FPT Education logo and the text 'FPT UNIVERSITY'. A horizontal menu includes links for HOME, COURSES, EVENT, DASHBOARD (circled in orange), PROFILE (circled in orange), PAGES, and CONTACT. A 'GET STARTED' button is located on the right. The main content area features a large image of students in a classroom. To the right of the image, there are two sections: 'International Programmes' with a 'LEARN MORE' button, and 'UA Degree Programmes'.

ENGLISH | ESPAÑOL | 259 NGUYEN VAN DAU STREET, BINH THANH DISTRICT, HCM CITY, NC 28202 | +1 984-700-7129 | MON - FRI: 7:00AM - 6:00PM | HELLO, VIỆT ĐỨC | LOGOUT

FPT Education
FPT UNIVERSITY

HOME | COURSES | EVENT | **DASHBOARD** | **PROFILE** | PAGES | CONTACT

GET STARTED

International Programmes

The study programmes of the Enroll Campus University are open to people from all nationalities.

LEARN MORE

UA Degree Programmes

We offer companies the opportunity to access the technology and knowledge developed at the

When user input username and password correct, User can see user's name on navigation bar and more than 3 pages for member of FPT.

Logout

Helps user can logout account from the website.

Profile

These pages show personal information of the account owner are logging. Help user can update, edit information from this page go to database.

Dashboard

Dashboard will depend on each of user group using system. Each user group has different dashboard presented from diagram from ASM1.

3. Some page of course

3.1 Categories course page

Cat_Name

[Home](#) > [Categories Courses](#) > [List](#)

Find Your Course

Find your course here:

☐ by ID ☐ by name

SEARCH COURSE

By Category

Search By

Free

Paid

Trainer 1

Category 3

The course combines study of the history, archaeology and art of all these classical world. It looks at the societies and cultures of the ancient Greel Mediterranean world through their written texts.

342 10 1 year Campus L2 [Details](#)

\$32

Search By Type

- ☐ All Courses
- ☐ Chemistry
- ☐ Classical Archaeology
- ☐ Classics & English
- ☐ Materials Science
- ☐ Mathematics
- ☐ Physics & Philosophy
- ☐ Theology & Religion
- ☐ Classics & English
- ☐ Materials Science
- ☐ Mathematics



Category 2

The course combines study of the history, archaeology and art of all these classical world. It looks at the societies and cultures of the ancient Greel Mediterranean world through their written texts.

\$32

342 10 1 year Campus L2 Details

< Previous

1

2

3

...

18

Next >

3.3 Topic page

https://localhost:44345/Topics/Tr... x

+

localhost:44345/Topics/TraineeIndex

Ứng dụng PHONG CÁCH TRÍC... BSAF 2001-1 - Goo... Google Dịch W3Schools Online... Google Dịch Link online lớp BSA... Dấu trang khác Danh sách đọc

Find Your Course


Find your course here:


☐ by ID ☐ by name

By Category

Search By

☒ Free ☐ Paid





Trainer 1

Topic 1

The course combines study of the history, archaeology and art of all these classical world. It looks at the societies and cultures of the ancient Greel Mediterranean world through their written texts.

Topic 1

1 year

Campus L2

\$32

< Previous

1 2 3 ... 18

Next >



3.4 Profile setting


https://localhost:44345/Users/Edi x +

localhost:44345/Users/Edit

Ứng dụng PHONG CÁCH TRÍC... BSAF 2001-1 - Goo... Google Dịch W3Schools Online... Google Dịch Link online lớp BSA... Dấu trang khác Danh sách đọc

Admin Dashboard

Home > Admin Dashboard > Settings



Việt Đức

UPDATE IMAGE

Profile Details

My Courses

Favorites

Profile Settings

Full Name:

Việt Đức

Email:

vietducftp@gmail.com

Phone:

1234567890

Address:

TP Thủ Đức

Permission:

Admin

Day of Birth

 Statement

 Settings >

 Logout

Month of Birth



Year of Birth



Country



City



Update Account

Username:

Admin

Old Password:

New Password:

...



kevinnikols



kevinnikols



kevinnikols

Update Account

4. Management Page


4.1 User manage page

https://localhost:44345/Users

localhost:44345/Users

Ứng dụng PHONG CÁCH TRÍC... BSAF 2001-1 - Goo... Google Dịch W3Schools Online... Google Dịch Link online lớp BSA... Dấu trang khác Danh sách đọc

HOME COURSES EVENT DASHBOARD PROFILE PAGES CONTACT



FPT UNIVERSITY


GET STARTED

Find Account

Find your account here:

☐ by ID ☐ by name





SEARCH USER

Account List

Create

User_Name	User_Email	User_Phone	User_Address	User_Username	User_Permission_Name	
Việt Đức	vietducftp@gmail.com	1234567890	TP Thủ Đức	Admin	Admin	Edit Delete
Trainee	trainee@fpt.edu.vn		Hà Nội	trainee	Trainee	Edit Delete
training Staff	staff@gmail.com	1234567890		staff	Training Staff	Edit Delete

< Previous

1 2 3 18

Next >

4.2 Course manage page

https://localhost:44345/Courses

localhost:44345/Courses

Ứng dụng PHONG CÁCH TRÍC... BSAF 2001-1 - Goo... Google Dịch W3Schools Online... Google Dịch Link online lớp BSA... Dấu trang khác Danh sách đọc

Find Your Course

Find your course here:

☐ by ID ☐ by name

Course Name

Category

SEARCH COURSE

Search By Type

☐ All Courses

By Category

Search By

Free

Paid

Create New

Course_Name	Cat_Name	Topic_Name	
Course 1	Category 2	Topic 1	Edit Details Delete
Course 2	Category 2	Topic 1	Edit Details Delete
Course 3	Category 3	Topic 1	Edit Details Delete

< Previous

123...18

Next >

4.4 Categories course manage page

https://localhost:44345/Category

localhost:44345/CategoryCourses

Ứng dụng PHONG CÁCH TRÍC... BSAF 2001-1 - Goo... Google Dịch W3Schools Online... Google Dịch Link online lớp BSA... Dấu trang khác Danh sách đọc

Cat_Name

Home > Categories Courses > List

Find Category

Find Category here:

☐ by ID ☐ by name

By Category

Search By

☒ Free ☐ Paid

Create New

Cat_Name	
Category 3	Edit Details Delete
Category 2	Edit Details Delete

< Previous

1 2 3 ... 18

Next >

4.5 Topic manage page

https://localhost:44345/Topics

localhost:44345/Topics

Ứng dụng PHONG CÁCH TRÍC... BSAF 2001-1 - Goo... Google Dịch W3Schools Online... Google Dịch Link online lớp BSA... Dấu trang khác Danh sách đọc

Topic_Name

Home > Topic_Name > List

Find Topic

Find topic here:

☐ by ID ☐ by name

SEARCH TOPIC

By Category

Search By

☒ Free ☐ Paid

Topic_Name	
Topic 1	Edit Details Delete

< Previous

1 2 3 ... 18

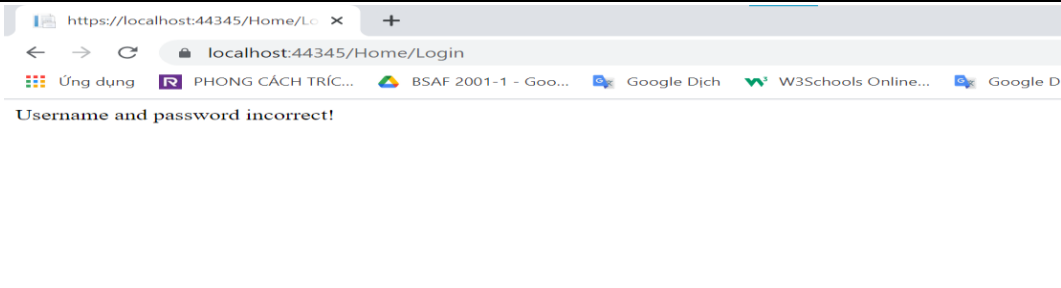
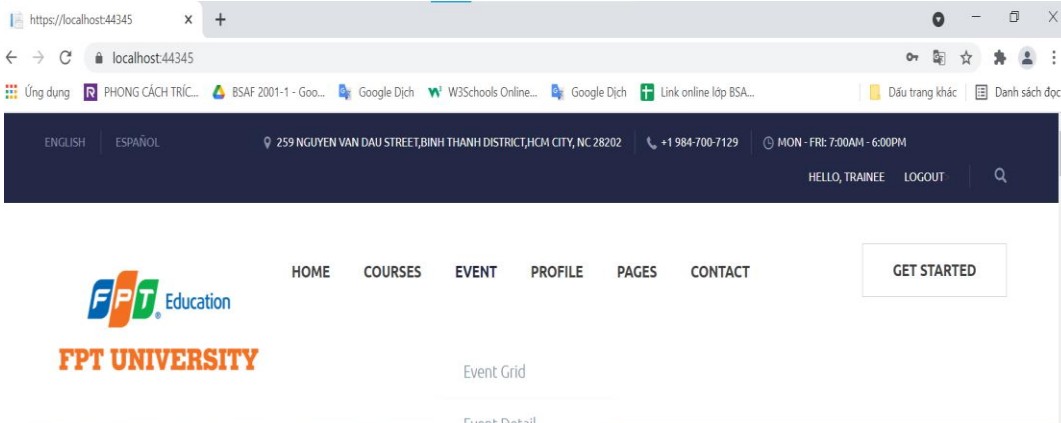
Next >

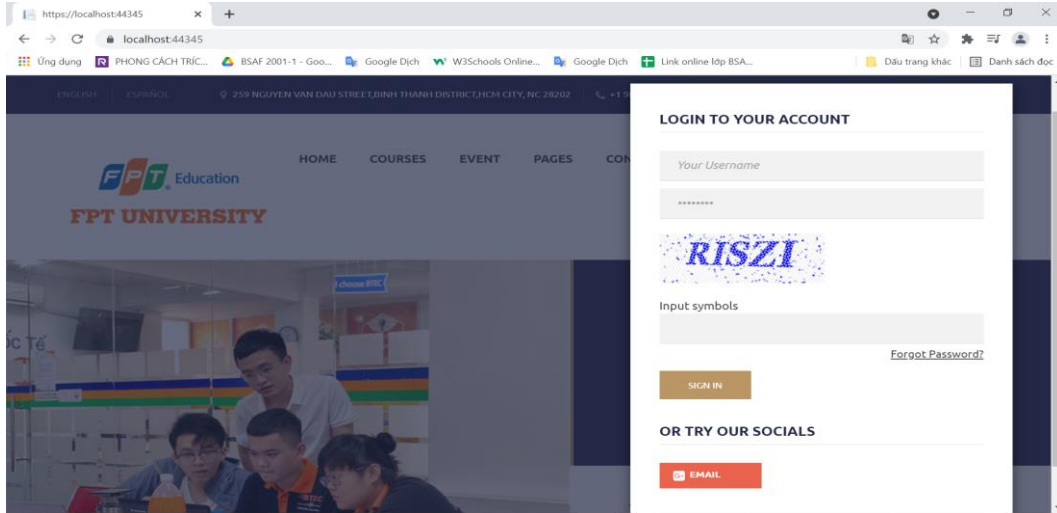
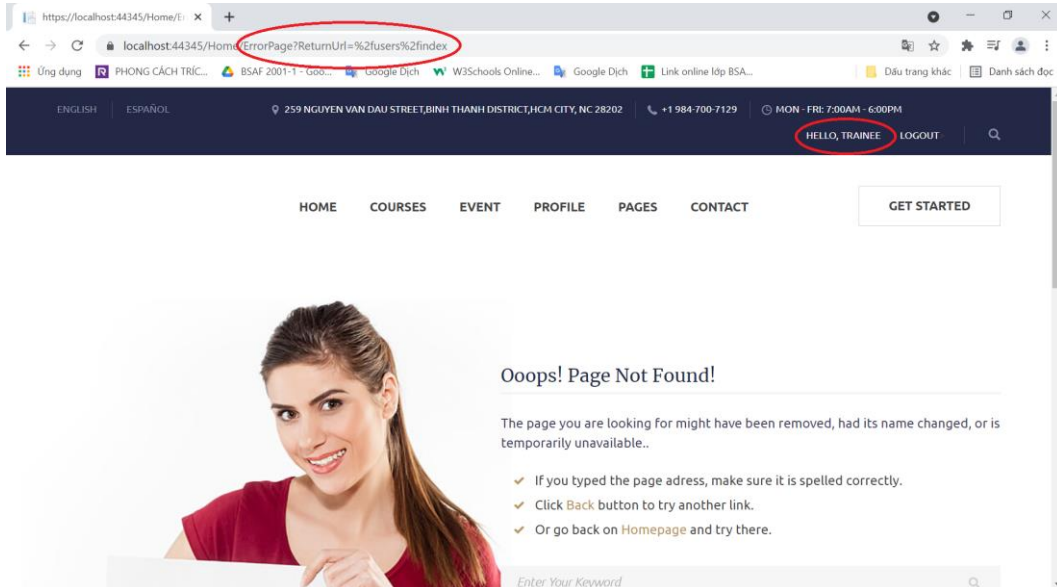
IV. THE PERFORMANCE OF APPLICATION

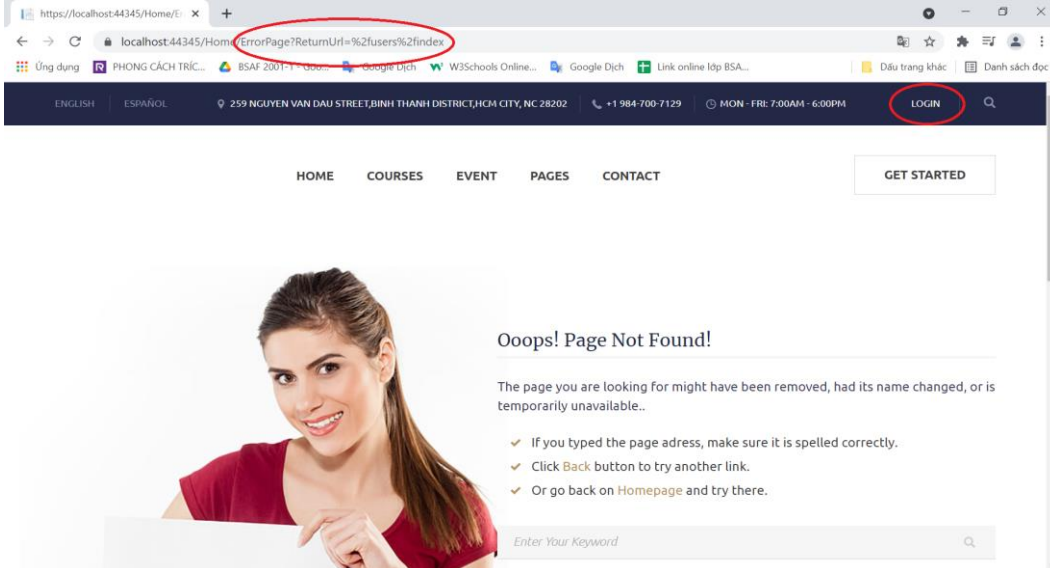
1. Test sections


- Check login
- Check access restrictions
- Check the management functions


2. Check list

Test plan		Test results
Check login	When input username or password incorrect	
	When input username or password correct	

	<p>When login many failed(Will show captcha check)</p>	
<p>Check access restrictions</p>	<p>when user is trainee or trainer want to go pages management of admin,training staff by URL, etc ...(Will go to 404 page)</p>	


	<p>When Visitor want to pages of member or manager</p>	
<p>Check the management functions</p>	<p>When name is null</p>	<p>Update failed</p> <p>Full Name:</p> <div data-bbox="1048 1034 2002 1145" style="border: 1px solid #ccc; height: 70px; margin: 5px 0;"></div> <p>User_Name can't null, please enter</p>

	When email not valid(not have @)	<p>Email:</p> <div> <div>staff</div> <div>  Vui lòng bao gồm '@' trong địa chỉ email. 'staff' bị thiếu '@'. </div> </div>
	When email not valid(not have .com,.Edu, etc...)	<p>Email:</p> <div>staff@abc</div> <p>Email isn't valid.</p>
	When number phone more than 10 number	<p>Phone:</p> <div>01234567651</div> <p>Phone Number must be 10 Digits Long and 0... .</p>

	<p>Check duplicate username login when create new account or update account</p>	<div>  <div> <p>IMAGE:</p> <p>Logout</p> </div> </div> <h3>Profile Settings</h3> <p>User name is exist</p> <p>Full Name: <input type="text" value="trainee"/></p> <p>Email: <input type="text"/></p> <p>Phone: <input type="text"/></p> <p>Address: <input type="text"/></p> <p>Permission: <input type="text" value="Admin"/></p> <p>Day of Birth <input type="text"/></p> <p>Month of Birth <input type="text"/> Year of Birth <input type="text"/></p> <p>Country <input type="text"/> City <input type="text"/></p> <h3>Account</h3> <p>User Name: <input type="text" value="staff"/></p> <p>Password: <input type="password" value="***"/></p>
--	---------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	Check duplicate category course name	<h2>Create New Category</h2> <p>Category name is exist</p> <p>Category Course Name:</p> <input type="text" value="Category 3"/> <input type="button" value="Create Category"/>
	Check duplicate topic name	<h2>New Topic</h2> <p>Topic name is exist</p> <p>Topic Name:</p> <div><input type="text" value="Topic 1"/><input type="button" value="CREATE TOPIC"/></div>

Check create new account successfully
when correct input field



Logout

Back to List

IMAGE:

New Profile

Create successfully

Full Name:

Email:

Phone:

Address:

Permission:

Day of Birth:

Month of Birth:

Year of Birth:

Country:

City:

Account

User Name:

Password:

Create successfully


Account List

Create

User_Name	User_Email	User_Phone	User_Address	User_Username	User_Permission_Name	
Việt Đức	vietducfpt@gmail.com	123456789	TP Thủ Đức	Admin	Admin	Edit Delete
staff	staff@fpt.edu.vn	123454332		staff	Training Staff	Edit Delete
trainer	trainer@fpt.edu.vn	766172819	TP HCM	trainer	Trainer	Edit Delete

New User Account from list

Check Update User Account



UPDATE
IMAGE

- Profile Details
- My Courses
- Favorites
- Back to List
- Settings
- Logout

Profile Settings

Update successfully

Full Name:

trainer 2

Email:

trainer@fpt.edu.vn

Phone:

766172819

Address:

TP HCM

Permission:

Trainer

Day of Birth

Month of Birth

Year of Birth

Country

City

Update Account

Username:

trainer2

Old Password:

New Password:

Update successfully

Account List

Create

User_Name	User_Email	User_Phone	User_Address	User_Username	User_Permission_Name	
Việt Đức	vietducfpt@gmail.com	123456789	TP Thủ Đức	Admin	Admin	Edit Delete
staff	staff@fpt.edu.vn	123454332		staff	Training Staff	Edit Delete
trainer 2	trainer@fpt.edu.vn	766172819	TP HCM	trainer2	Trainer	Edit Delete

New update infor user account from list

Check Delete User Account

Delete

Are you sure you want to delete this?

User

User_Name trainer2
User_Email trainer@fpt.edu.vn
User_Phone
User_Address TP HCM
User_Username trainer2
User_Permission_N... Trainer

[Delete](#) | [Back to List](#)

Account List

Create

User_Name	User_Email	User_Phone	User_Address	User_Username	User_Permission_Name	
Việt Đức	vietducfpt@gmail.com	123456789	TP Thủ Đức	Admin	Admin	Edit Delete
staff	staff@fpt.edu.vn	123454332		staff	Training Staff	Edit Delete

User Account was deleted

Check Create category

Create New Category

Create successfully

Category Course Name:

Category 1

Create Category

Create new category successfully

Categories List

Create New

Cat_Name	
Category 1	Edit Details Delete

New Category from list

Check Update category

Category Settings

Update successfully

Category Course Name:

Category 123

Change Category

Update category successfully

Categories List

Create New

Cat_Name	
Category 123	Edit Details Delete

Category name was updated from list

Check Delete category

Delete

Are you sure you want to delete this?

CategoryCourse

Cat_Name Category 123

Delete | Back to List

Categories List

Create New

Cat_Name

< Previous

1

2

3

...

18

Next >

Category was deleted

Check Create topic

New Topic

Create successfully

Topic Name:

Topic 1

CREATE TOPIC

Back to List

Create topic successfully

Topic list

Create New

Topic_Name	
Topic 1	Edit Details Delete

New topic from list

Check Update topic

Topic Setting

Update successfully

Topic Name:

Topic 123

UPDATE CHANGES

Update topic successfully

		<div><h3>Topic list</h3><div>Create New</div><table><thead><tr><th>Topic_Name</th><th></th></tr></thead><tbody><tr><td>Topic 123</td><td>Edit Details Delete</td></tr></tbody></table><p>New topic name was updated</p></div>	Topic_Name		Topic 123	Edit Details Delete				
Topic_Name										
Topic 123	Edit Details Delete									
	Check Delete topic	<div><h3>Topic list</h3><div>Create New</div><div><div>Topic_Name</div><div></div></div><div>< Previous123...18Next ></div></div> <p>Topic was deleted successfully</p>								
	Check Create course	<div><div>Back to List</div><h3>New Course</h3><div>Create successfully</div><div><div>Course Name:<div>Course 1</div></div><div>Category Course:<div>Category 1</div></div><div>Topic:<div>Topic 2</div></div><div>Create Course</div></div><p>Create course successfully</p><div>Create New</div><table><thead><tr><th>Course_Name</th><th>Cat_Name</th><th>Topic_Name</th><th></th></tr></thead><tbody><tr><td>Course 1</td><td>Category 1</td><td>Topic 2</td><td>Edit Details Delete</td></tr></tbody></table></div>	Course_Name	Cat_Name	Topic_Name		Course 1	Category 1	Topic 2	Edit Details Delete
Course_Name	Cat_Name	Topic_Name								
Course 1	Category 1	Topic 2	Edit Details Delete							

		New course from list								
	Check update course	<div>Course Setting</div> <div>Update successfully</div> <div><div>Course Name:</div><div>Category Course:</div></div> <div><div>Course 123</div><div>Category 1</div></div> <div><div>Topic:</div><div>Topic 2</div></div> <div><div>Update Course</div></div> <div>Course Name update successfully</div> <div>Create New</div> <table><tr><th>Course_Name</th><th>Cat_Name</th><th>Topic_Name</th><th></th></tr><tr><td>Course 123</td><td>Category 1</td><td>Topic 2</td><td>Edit Details Delete</td></tr></table> <div>Course name was updated from list</div>	Course_Name	Cat_Name	Topic_Name		Course 123	Category 1	Topic 2	Edit Details Delete
Course_Name	Cat_Name	Topic_Name								
Course 123	Category 1	Topic 2	Edit Details Delete							
	Check Delete course	<div>Create New</div> <table><tr><th>Course_Name</th><th>Cat_Name</th><th>Topic_Name</th><th></th></tr><tr><td colspan="4"></td></tr></table> <div><div>< Previous</div><div>1</div><div>2</div><div>3</div><div>...</div><div>18</div><div>Next ></div></div> <div>Course was deleted successfully</div>	Course_Name	Cat_Name	Topic_Name					
Course_Name	Cat_Name	Topic_Name								

V. CONCLUSION

After analysing business requirements of FPT. I was made diagrams system , review risk of can be happened. Evaluate the performance of application against its Software Design Document and initial requirements in ASM1. Was going to planning and producing project. This is the project was useful and strong development in the future.