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Introduction

- Our team requires a structured questionnaire to analyze the feasibility of business applications and potential solutions and implementation strategies based on the completed design in assignment 2. Modify the design as needed, based on input from colleagues. And have fresh system improvement ideas. The next task is the development of business applications based on the chosen design, technologies, and methods. After an application has been completed. We will conduct an overview of the factors that influence the performance of the application and use them to perform critical evaluations of the design, development, and testing phases of the application. This presentation follows the assignment requirement

Implement waterfall model

Requirements and analysis.

- Described

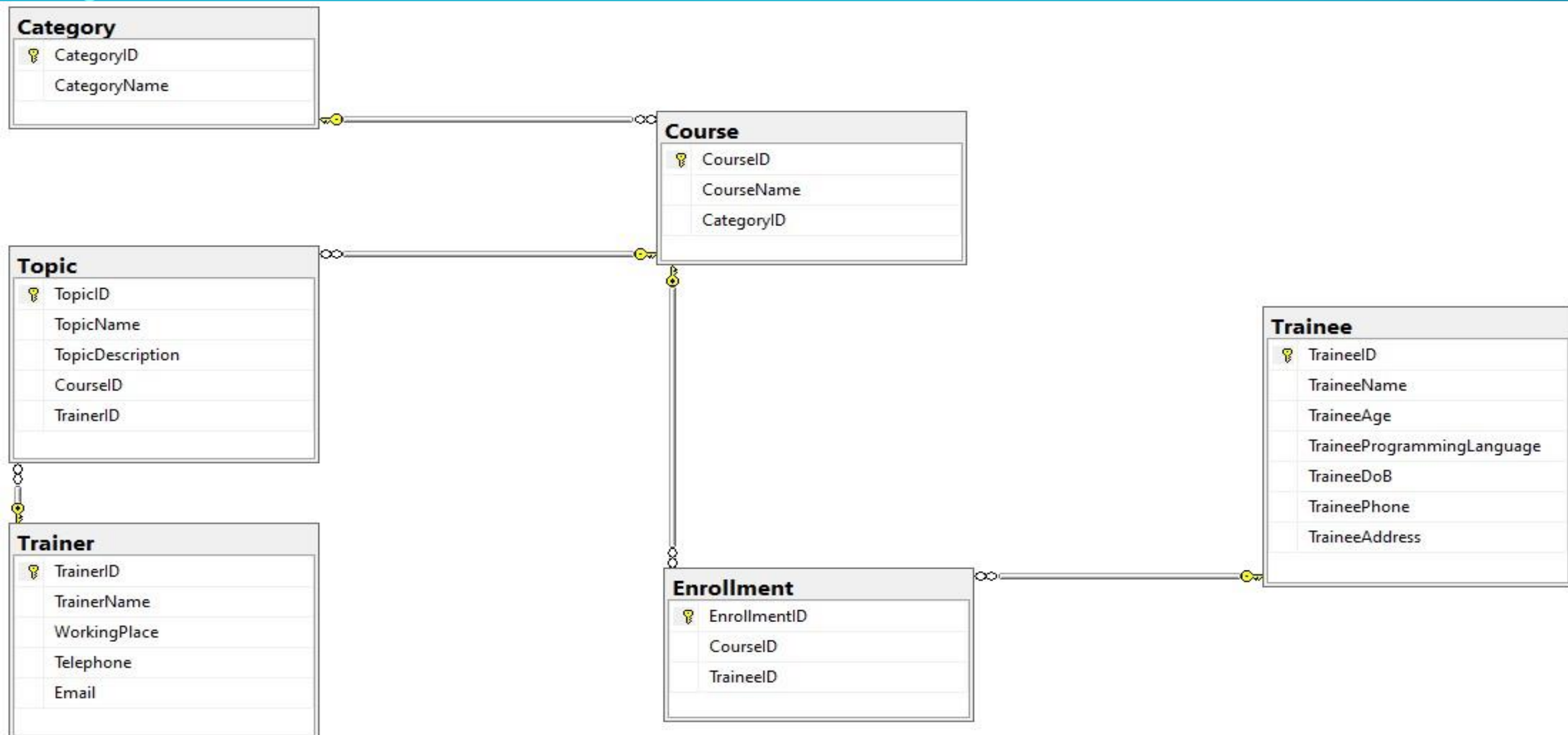
In this step, we conduct analysis and read the proposed project requirements. We organized meetings and presented the factors mentioned and analyzed as:

The reason to build a project, the project is used for what purpose, the system consists of how many objects, the functions for each object are administrator, training staff, trainer, trainee ...

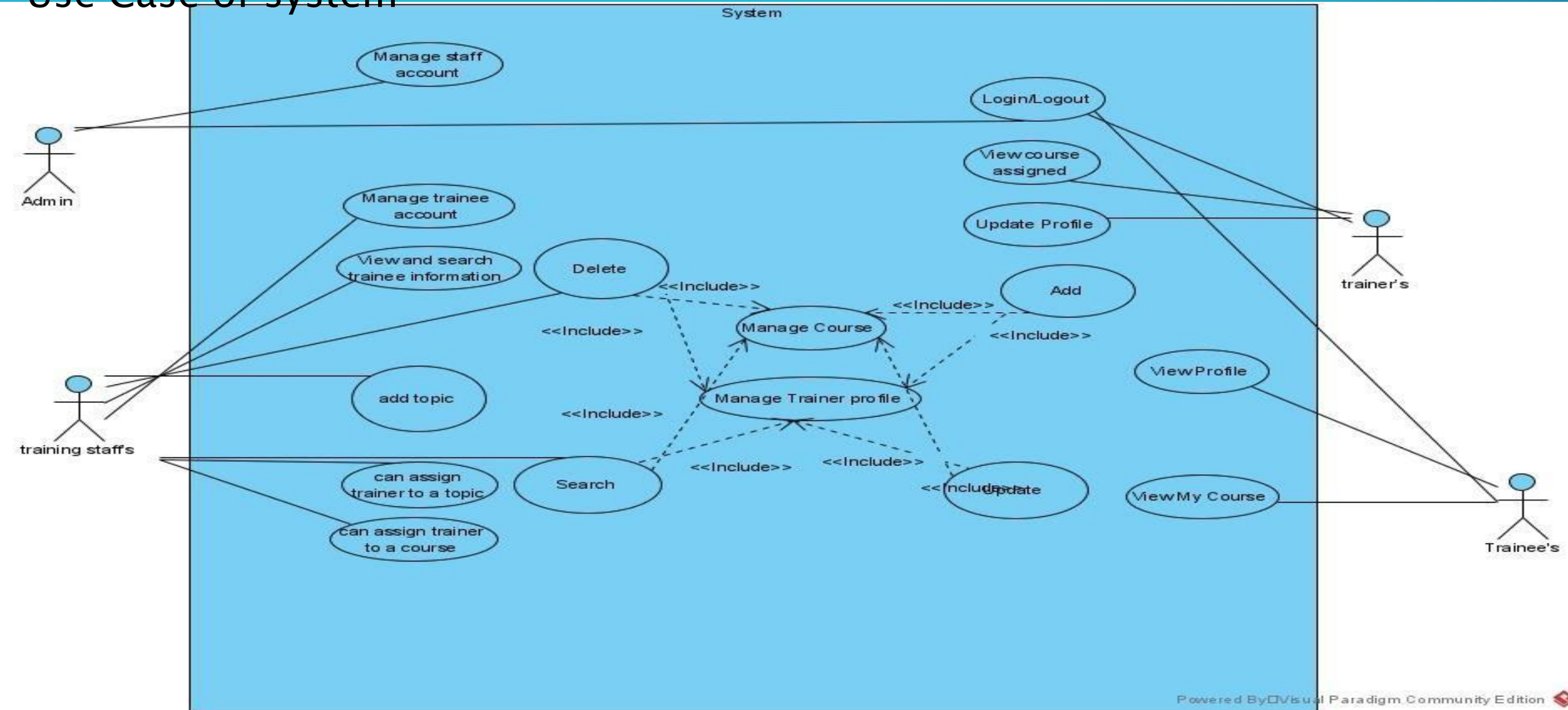
ID	Objective	Function
1	Administrator	<ul style="list-style-type: none">➤ Login / Logout as an instructors of system.➤ Create/Delete accounts.
2	Training staff	<ul style="list-style-type: none">➤ Login / Logout as the manager of system.➤ Manage trainee accounts.➤ Manage trainer's accounts.➤ Manage course categories.➤ Manage courses.➤ Manage topic.
3	Trainer	<ul style="list-style-type: none">➤ Login/ Logout as the client of system.➤ View courses which have a topic he is assigned to
4	Trainee	<ul style="list-style-type: none">➤ Login / Logout as a viewer➤ View Courses they have been study.

Implement waterfall model

- Some evidence in this phase



Use Case of system



Implement waterfall model

Training Management

Trainer

Logout

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Create New

TrainerName	WorkingPlace	Telephone	Email	
trainer 1	University of Greewich	123	123@gmail	<div>Edit Details Delete</div>
trainer 2	University of Greewich	456	456@gmail	<div>Edit Details Delete</div>
trainer 3	University of Greewich	789	789@gmail	<div>Edit Details Delete</div>

Peer review.

Questionnaire

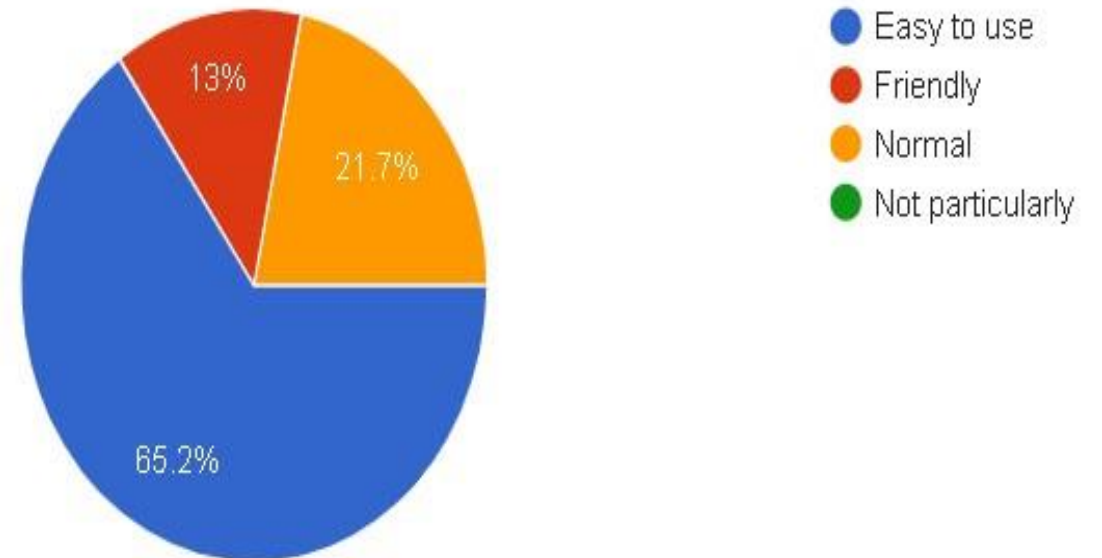
	Questions	Answers
1	What do you think about our application?	<ul style="list-style-type: none">▪ Easy to use▪ Friendly▪ Normal▪ Not particularly
2	Is the website look like layout, URL, colors, title tags, description good?	<ul style="list-style-type: none">▪ Very Perfect▪ Normal▪ Temporary Use▪ Bad and hard to see
3	How do you think about the site's performance (page load Speed, data access, processing speed of Add, Edit, Delete function)?	<ul style="list-style-type: none">▪ Very good use, fast processing▪ Normal▪ Can be used temporarily▪ Slow processing
4	Do you think this app meets all of the project's requirements?	<ul style="list-style-type: none">▪ Meet all requirements▪ Fulfill part of the request▪ Does not meet the requirements
5	In your opinion, does this app have permissions appropriate for each object?	<ul style="list-style-type: none">▪ The right part, the right object▪ Partially decentralized
6	Do you think our software is good security or not?	<ul style="list-style-type: none">▪ Very good security▪ Normal▪ Temporarily accepted▪ Poor security
7	How much do you rate our application below?	<div><div>12345</div><div>Least○ ○ ○ ○ ○Most</div></div>

Feedback analysis

- First, when we surveyed for ease of use and friendliness, 65.2% of people surveyed rated it as easy to use. This shows the user to use the application with ease and efficiency. With 21.7% of normal reviews, they are probably a bit confused when using the app. We will improve and provide a friendly and suitable interface and functionality to fully satisfy the user requirements.

1. What do you think about our application?

23 responses

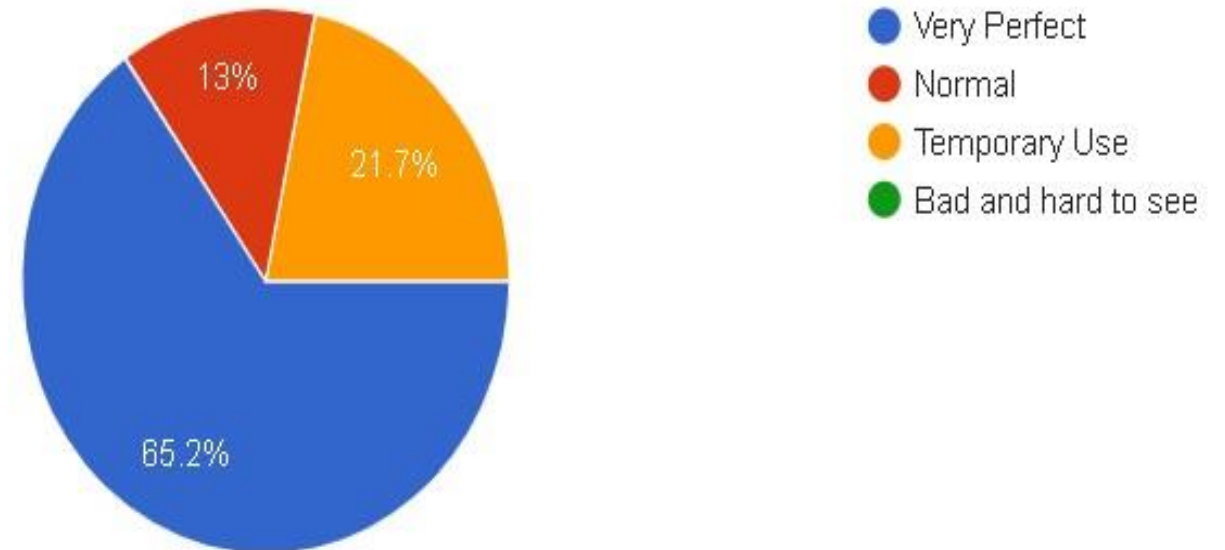


Feedback analysis

- Next is the question of the application's interface. We want to know how they feel when looking at the app interface for the first time. "Very perfect" is the answer that we get the most 65.2% of people surveyed. In addition, 21.7% of respondents rated it as "Temporary Use" and a small number rated it "Normal". We will update the interface to better satisfy user requests.

2. Is the website look like layout, URL, colors, title tags, description good?

23 responses

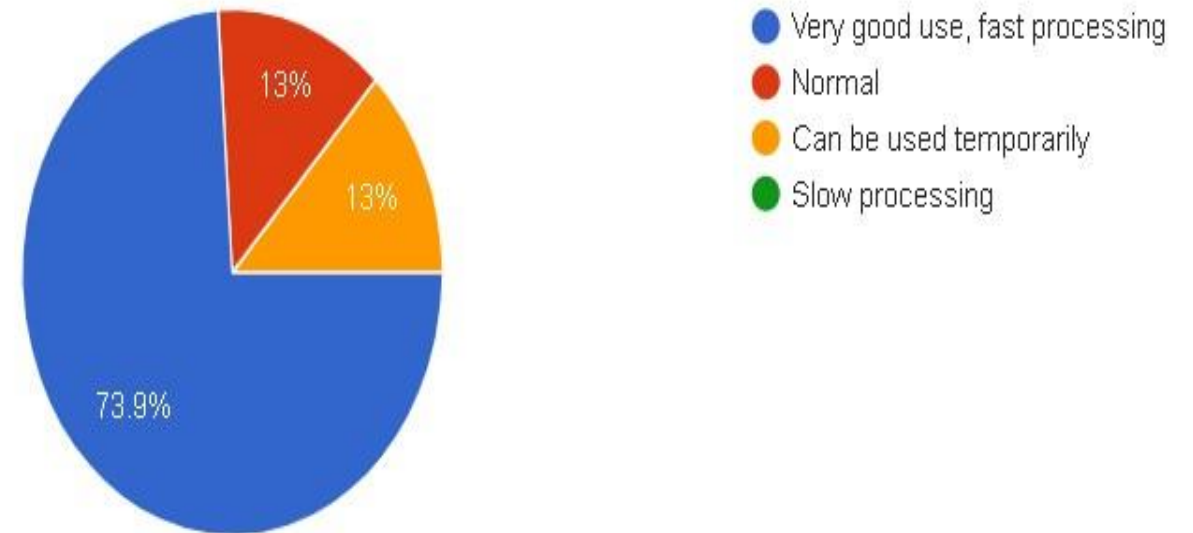


Feedback analysis

- After using the app, users give comments and ratings on the app's performance. Hence, we asked a question about application performance. With 73.6% of users saying the performance of the application: "Very good use, fast processing", shows that the application is working very well. 13% of respondents rated "Usable" and 13% rated "Normal". Besides, there are still reviews about the product's slow ability. So we will optimize the images to help speed up the load and improve more functions in the future.

3. How do you think about the site's performance (page load Speed, data access, processing speed of Add, Edit, Delete function)?

23 responses

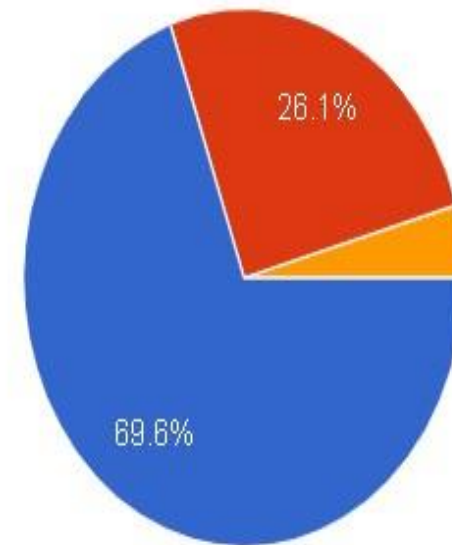


Feedback analysis

- We questioned the app's responsiveness to the project. With 69.6% of survey respondents saying that the application can fulfill all the requirements for this project. And 26.1% of survey participants said the application only meets part of the project. From there we draw the unsatisfied things to complete the profile later.

4. Do you think this app meets all of the project's requirements?

23 responses



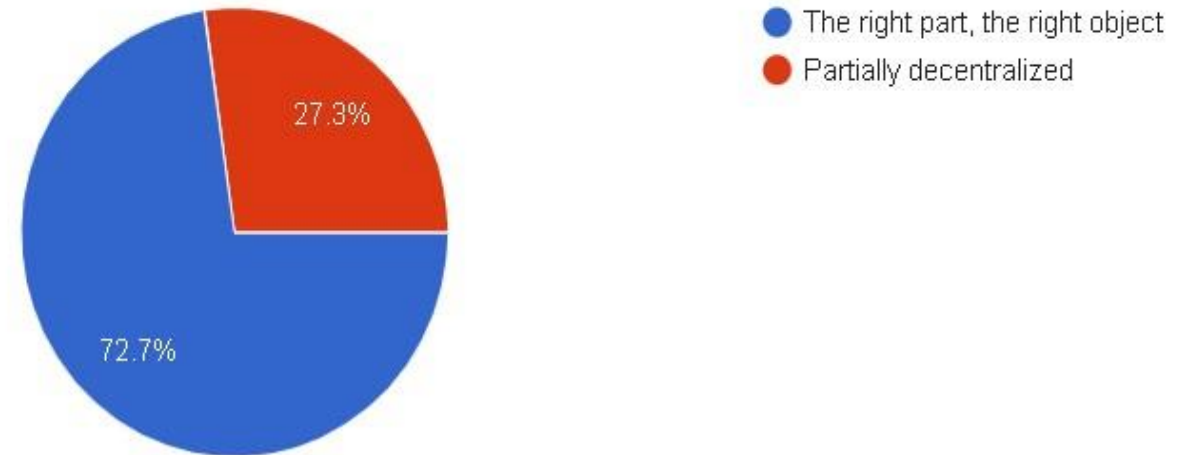
- Meet all requirements
- Fulfill part of the request
- Does not meet the requirements

Feedback analysis

- Next is the decentralization for users is an important way for them to use the application most effectively and avoid conflicts of interest. With 72.7% of people surveyed said that the in-app hierarchy is perfectly reasonable. Everyone has their own rights and this helps them to use the app better and more efficiently. With the remaining 27.3% of opinions, decentralization in the application is only a part, not all decentralization. We will take this idea and make it better in the future.

5. In your opinion, does this app have permissions appropriate for each object?

22 responses

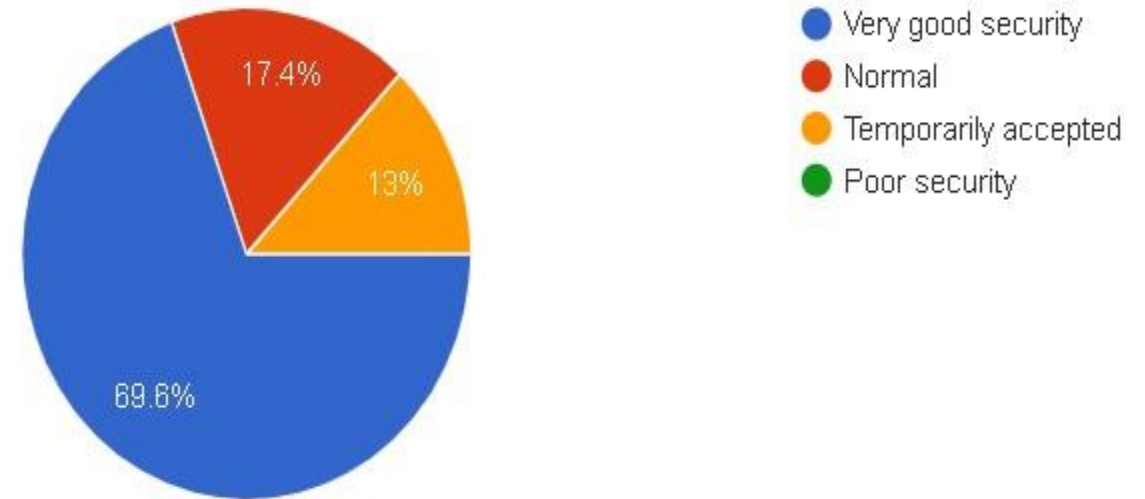


Feedback analysis

- Given the features of this app, will there be any holes in our application? And the security questions we have addressed for the users. With such an application, security is of utmost importance to us. We are very concerned about security and the results we obtained after the survey were very convincing. With 69.6% of respondents evaluating our security is very good, 17.4% rated it as normal, and 13% rated it as poor. In short, our application is both easy to use and highly secure.

6. Do you think our software is good security or not?

23 responses



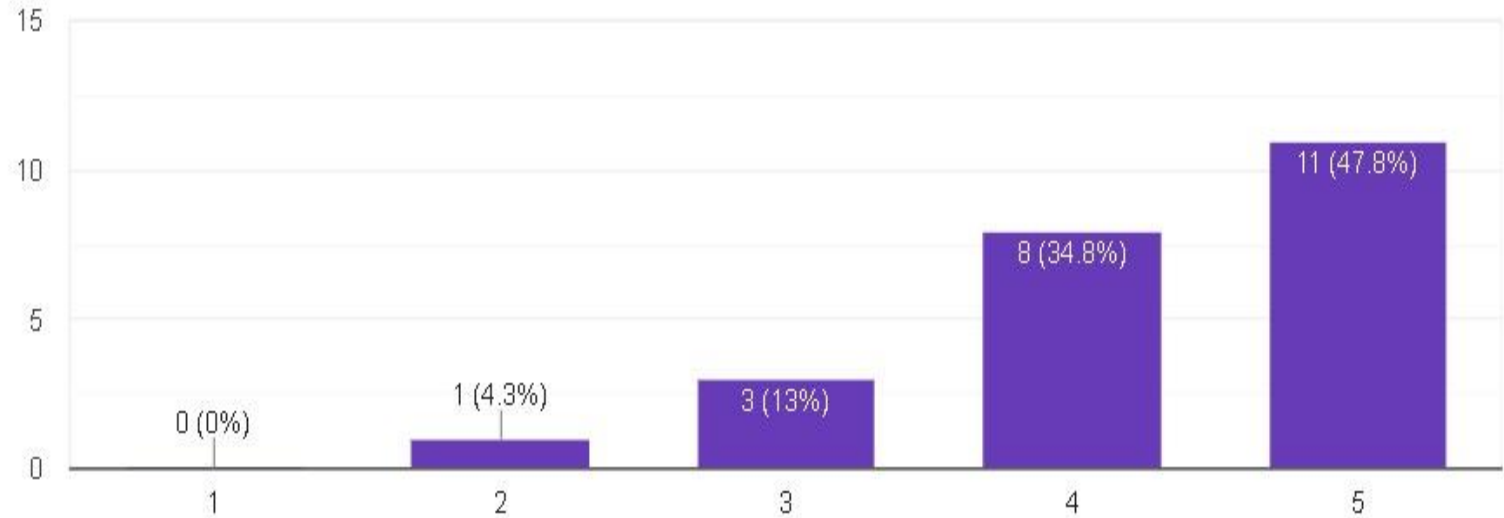
Feedback analysis

After consulting the app users, our app is rated 4 stars, 5 stars on the app a lot. These reviews so that the app can be updated in a better way in the future.

Through our survey, we find out the strengths and weaknesses in our application. User interface, as well as ease and comfort in the process of use. Moreover, the application system is secure, meeting the needs of users. Besides, there are also strengths and weaknesses of the application that we will best overcome to bring high efficiency to users.

7. How much do you rate our application below?

23 responses



Implementation our system



• Login page

Application name

Home

Categories

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[Log In](#)

Log In

Account

User Name

admin

Password

.....

Log in

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Implementation our system

- Admin's interface

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Trainer Name	Working Place	Telephone	Email			
Hoang Nhat Long	Dong Quan	0168318698	longhn0@fe.edu.vn	Details	Edit	Delete
Nguyen Tan Dung	Detecth	0654321867	dungnt2@fe.edu.vn	Details	Edit	Delete
Pham Duc Hung	Detecth	0565423189	hungpd3@fe.edu.vn	Details	Edit	Delete
PhamThuyDuong	Dong Quan	0125683472	duongpt5@fe.edu.vn	Details	Edit	Delete
DoQuocBinh	Dong Quan	0851651320	binhdq6@fe.edu.vn	Details	Edit	Delete

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- Admin's interface

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Create New

Trainee	Age	Programming Language	D.O.B	Phone Number	Address			
Tran Anh Quan	21	C++	4/23/1999 12:00:00 AM	0365241574	Ha Noi	Details	Edit	Delete
Do The Vinh	21	Java Script	10/12/1999 12:00:00 AM	0683574294	Ha Noi	Details	Edit	Delete
Do Ho Nguyen	20	Python	10/2/2000 12:00:00 AM	0456951705	Ha Noi	Details	Edit	Delete
Le Duc Nguyen	21	Java Script	3/18/1999 12:00:00 AM	0563157934	Ha Noi	Details	Edit	Delete
Ha Quy Phong	21	Java	1/14/1999 12:00:00 AM	0685451354	Ha Noi	Details	Edit	Delete
NguyenDucHung	22	Python	9/4/1998 12:00:00 AM	0563157934	Thai Binh	Details	Edit	Delete
LaiMinhQuan	21	Python	9/2/1999 12:00:00 AM	0687531896	Ha Noi	Details	Edit	Delete
DoTheVinh	21	Python	1/14/1999 12:00:00 AM	0685451354	Ha Noi	Details	Edit	Delete

Implementation our system



• Trainer

Application name

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My Topics

TopicName	TopicDescription	CourseName	TrainerName
C++	Advanced programming with C++	Advanced Programming	LaiManhDung
Python	Analyzing data	Business Intelligence	LaiManhDung

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Implementation our system



• Trainee

Application name

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Profile

Trainee

Trainee Name	DoTheVinh
Trainee Age	21
ProgrammingLanguage	Python
Trainee D.O.B	1/14/1999 12:00:00 AM
Trainee Phone Number	0685451354
Trainee Address	Ha Noi

Edit

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• Trainee

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My Courses

Course Name	Trainee Name
Introduction to Programming	DoTheVinh
Advanced Programming	DoTheVinh
Application Development	DoTheVinh
Business Intelligence	DoTheVinh

Implementation our system

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Find by name:

Course Name	Trainee	
Advanced Programming	Tran Anh Quan	Details
Advanced Programming	NguyenDucHung	Details
Advanced Programming	DoTheVinh	Details
Application Development	Tran Anh Quan	Details
Application Development	Do Ho Nguyen	Details
Application Development	Do The Vinh	Details
Application Development	NguyenDucHung	Details
Application Development	DoTheVinh	Details
Business Intelligence	NguyenDucHung	Details
Business Intelligence	DoTheVinh	Details
Digital Sales and Marketing	Do The Vinh	Details
Facilities Management	Do The Vinh	Details
Financial Accounting	Do The Vinh	Details
Introduction to Programming	Tran Anh Quan	Details
Introduction to Programming	NguyenDucHung	Details
Introduction to Programming	DoTheVinh	Details

Implementation our system

• Topic

Application name

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Find by name:

Topic ID	Topic Name	Topic Description	Course Name	Trainer Name	
1	C	Getting started with C	Introduction to Programming	DoQuocBinh	Details
2	C++	Advanced Programming with C++	Advanced Programming	Hoang Nhat Long	Details
3	C#	Developing applications with C#	Application Development	Hoang Nhat Long	Details
4	Sales and Marketing	Use of virtual channels to reach out to prospects	Digital Sales and Marketing	Nguyen Tan Dung	Details
5	Introduction to financial	Basic finance skills to enter finance careers	Financial Accounting	Nguyen Tan Dung	Details
6	Managing skills in business	Professional management discipline	Facilities Management	Nguyen Tan Dung	Details
7	Typography	Art and technique of arranging type	Typography	Pham Duc Hung	Details
8	Poster Design	Learn to design posters	Poster	Pham Duc Hung	Details
9	3D Design	Developing a representation of surfaces	3D Design	Pham Duc Hung	Details
10	Python	Analyzing data	Business Intelligence	DoQuocBinh	Details
13	C++	Advanced programming with C++	Advanced Programming	LaiManhDung	Details
14	Python	Analyzing data	Business Intelligence	LaiManhDung	Details

Implementation our system

• Category

Application name

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Category Name	
Business	Details
Graphic Design	Details
IT	Details
Public Relation	Details

Application review

- Testing

Role	Test case	Expected result	Actual result	Status
Admin	Login	Login successful and navigate to the training staff homepage.	Login successful and navigate to the training staff homepage.	Pass
	“View”, “Add”, “Edit”, “Delete” category.	“View”, “Add”, “Edit”, “Delete” successful .	“View”, “Add”, “Edit”, “Delete” successful .	Pass
	“View”, “Add”, “Edit”, “Delete” course.	“View”, “Add”, “Edit”, “Delete” successful .	“View”, “Add”, “Edit”, “Delete” successful .	Pass
	“View”, “Add”, “Edit”, “Delete” topic.	“View”, “Add”, “Edit”, “Delete” successful .	“View”, “Add”, “Edit”, “Delete” successful .	Pass
	“View”, “Add”, “Edit”, “Delete” Trainee and their information	“View”, “Add”, “Edit”, “Delete” successful.	“View”, “Add”, “Edit”, “Delete” successful.	Pass



		“View”, “Add”, “Edit”, “Delete” enrollment .	“View”, “Add”, “Edit”, “Delete” successful .	“View”, “Add”, “Edit”, “Delete” successful .	Pass
		Search Trainee by name .	Searching successful .	Searching successful .	Pass
		Sorting Trainee name column.	Name ordered by ascending and descending .	Name ordered by ascending and descending .	Pass
Trainer		Login by trainer account .	Login successful and navigate to the trainer homepage .	Login successful and navigate to the trainer homepage .	Pass
		“View”, “Edit” trainer profile .	“View”, “Edit” successful.	“View”, “Edit” successful.	Pass
		“View” topic assigned.	“View” successful .	“View” successful .	Pass
Trainee		Login by trainee account .	Login successful and navigate to the trainee homepage .	Login successful and navigate to the trainee homepage .	Pass
		“View”, “Edit” trainee profile .	“View”, “Edit” successful .	“View”, “Edit” successful .	Pass
		“View” course assigned .	“View” successful.	“View” successful.	Pass

Conclusion.

Summary

Advantages and disadvantages of the system

Advantages: The system is designed to manage classroom information and easily serve teachers, administrators, and students. The C # language development system is an environment that makes it easy for us to adapt to other systems in the future. When users perform database manipulation functions, the response was almost immediate.

Disadvantages: The software's elasticity is poor, unlike many devices like phones. How to use the system is complex, requiring the user to have good knowledge of the system. The system interface is simple yet detailed for users

What could be improved: To improve the system, we think we will configure the system to log in with a Google account. Improved system interface more detailed and smooth page loading speed, color harmony. Improve the security of the system in the future.

THANKS
FOR THE
WATCH!!

