

MIS 321 TERM PROJECT – GROUP 4

“STUDENT PORTAL”

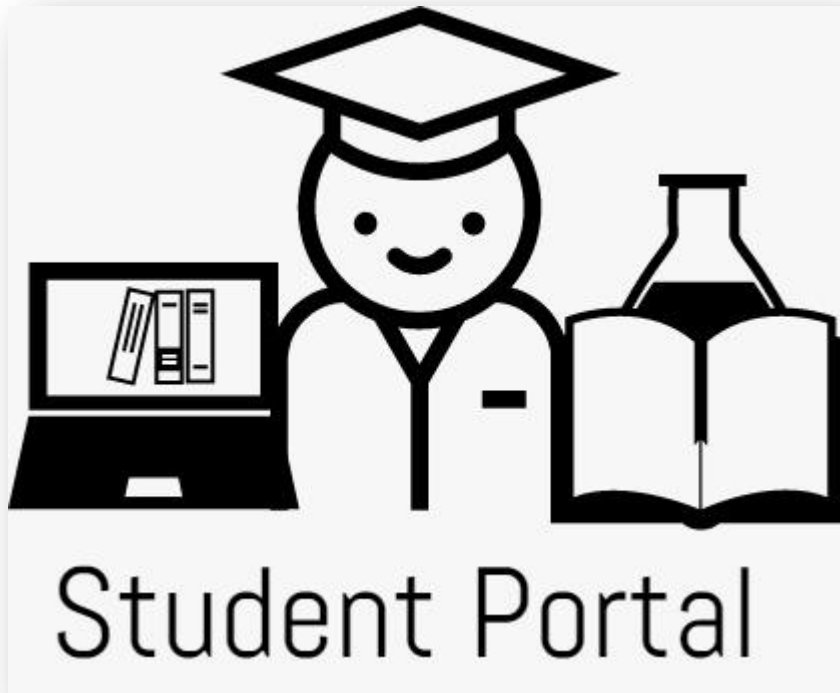
Course Material Sharing and Communication Platform

İSMAİL ELKIRAN

ENES EMRE AKBULUT

FURKAN SARICA

SERCAN PAÇACI



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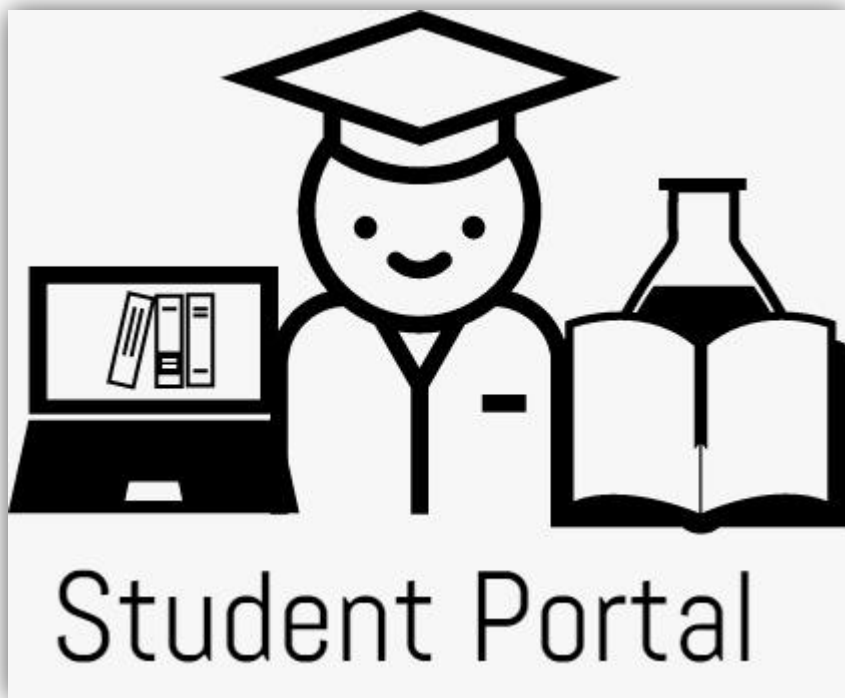
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STUDENT PORTAL / Phase 1

İsmail Elkıran
Enes Emre Akbulut
Furkan Sarıca
Sercan Paçacı

	Task Mode ▾	Task Name ▾	Duration ▾	Start ▾	Finish ▾	Predecessor ▾	Resource Names ▾
1		Phase 1	12 days	Sat 24.09.16	Wed 5.10.16		
2		Creating project group	2 days	Sat 24.09.16	Sun 25.09.16		Enes Emre Akbulut; Furkan Sarıca;İsmail Elkıran;
3		First meeting to determine topic	1 day	Tue 27.09.16	Tue 27.09.16	2	Enes Emre Akbulut; Furkan Sarıca;İsmail Elkıran;
4		Topic and member names sent to the instructor	1 day	Wed 28.09.16	Wed 28.09.16	3	Enes Emre Akbulut; Furkan Sarıca; İsmail Elkıran;Sercan Paçacı
5		Gathered to draw project schedule	2 days	Tue 4.10.16	Wed 5.10.16	4	Enes Emre Akbulut; Furkan Sarıca;İsmail Elkıran;
6		Phase 2	4 days	Thu 6.10.16	Sun 9.10.16		
7		Performing investigation and search	1 day	Thu 6.10.16	Thu 6.10.16	5	Enes Emre Akbulut
8		Preparing and Performing interview	1 day	Fri 7.10.16	Fri 7.10.16	7	Furkan Sarıca
9		Preparing and Performing survey	1 day	Sat 8.10.16	Sat 8.10.16	8	İsmail Elkıran
10		Preparing Preliminary Investigation Report	1 day	Sun 9.10.16	Sun 9.10.16	9	Enes Emre Akbulut; Furkan Sarıca; İsmail Elkıran; Sercan Paçacı

11	📌	Phase 3	13 days	Mon 10.10.16	Sat 22.10.16		
12	★	Gathered to handle the context	2 days	Mon 10.10.16	Tue 11.10.16	10	Enes Emre Akbulut;Furkan Sarıca; İsmail Elkıran;Sercan Paçacı
13	★	Context diagram is drawed	2 days	Wed 12.10.16	Thu 13.10.16	12	Enes Emre Akbulut;Furkan Sarıca; İsmail Elkıran;Sercan Paçacı
14	★	Revised Control	1 day	Fri 21.10.16	Fri 21.10.16	13	Enes Emre Akbulut;Furkan Sarıca;İsmail
15	★	Necessary Corrections After Revision	2 days	Fri 21.10.16	Sat 22.10.16	14	Enes Emre Akbulut;Furkan Sarıca; İsmail Elkıran; Sercan Paçacı
16	📌	Phase 4	13 days	Mon 24.10.16	Sat 5.11.16		
17	★	Drawing data flow diagrams	6 days	Mon 24.10.16	Sat 29.10.16	15	Enes Emre Akbulut;Furkan Sarıca; İsmail Elkıran;Sercan Paçacı
18	★	Revised Control	1 day	Tue 1.11.16	Tue 1.11.16	17	Enes Emre Akbulut;Furkan Sarıca;İsmail
19	★	Necessary Corrections After Revision	4 days	Wed 2.11.16	Sat 5.11.16	18	Enes Emre Akbulut;Furkan Sarıca; İsmail Elkıran; Sercan Paçacı
20	📌	Phase 5	6 days	Mon 21.11.16	Sat 26.11.16		
21	★	Preparing Data Dictionary	6 days	Mon 21.11.16	Sat 26.11.16	19	Enes Emre Akbulut;Furkan Sarıca; İsmail Elkıran;Sercan Paçacı
22	📌	Phase 6	14 days	Mon 28.11.16	Sun 11.12.16		
23	★	Input and Output Design and Menu Hierarchy	14 days	Mon 28.11.16	Sun 11.12.16	21	Enes Emre Akbulut;Furkan Sarıca; İsmail Elkıran; Sercan Paçacı



Introduction

Usage of web based sources in college

As a known fact use of internet is growing rapidly for the past 20 years. As a result of this, students all across the world using internet, web based sources in order to gain knowledge and to get help when they got stuck. There are already dozens of pages or applications which helps those students in their progress. Our aim is to create a web portal where students can help each other. We know that the best way to gain as a whole is to share.

This portal of ours that willed to create is going to have some extras which will make it useful. As stated; already, there are a lot of pages and applications which do some actions about source sharing or educating students via videos or PDF documents etc. But this project of ours is going to have some features which some of mentioned apps or pages lack of or can't function properly. As it is going to be shown with survey results in following pages even though students have some sources now, they want or may want them to be improved. The basic idea lays under it is that all those students could have reach all information from libraries or encyclopedias but this way is like we can guess; costly, time consuming and hard which leads us to the conclusion: people want to ease the way through the knowledge. Result is, we do have some ways to gain information but they are not efficient, effective or easy enough.

As we found out in our survey, more than 96% of the participants are willing or may be willing to use a more efficient platform such like the one we are going to create and again more than 93% of them are willing or may be willing to share their sources in such platform. This reports that what we are trying to do is actually what people want to be done.

Also this platform we are trying to create is going to serve the ability to connect with source owners. In this way any problems that users can face in progress of the gathering information in any subject of their interest is going to be solved. In addition to that, users are going to be discussing some topics which allow us to have a platform with features of a forum type website. This one also increasing communication; which we cannot see in any other platforms, basically functioning in a close way to ours.

People can vote or get voted in our design. So that users can have trust interval for whom they want to use source from. Also with a well - categorized, well – organized system, we are aiming to have a portal eases to find what users want to find. With a category users are going to be able to report what they need and other users can satisfy that need.

As told, we desire to build a better system, and students want/need that type of system. We are working on feasible and helpful solutions. We are hoping that this project will help many and be a place where students will enjoy.

System Request Summary

Purpose of our project is to provide a comfortable and interactive platform where university students can easily reach and share all kinds of course related materials and communicate with each other.

So, our system basically covers these requirements; at first users have to register to get benefited from the system and to feed it as well. Since the system will serve each university department separately, distinct pages will be created for prep, freshmen, sophomore, junior and senior students (e.g. MIS 1st Class, MIS 2nd, MIS 3rd). So, every class will visit related pages and feed that class by uploading their notes, pdf sources and documents. In this way, a dynamic database will be set and sustained by students.

In order to create network among students, it will be possible to form pages in which users can leave message, announcement, demand, question etc. and other users can reply and help that users.

Preliminary Investigation Findings

Survey

We created an online survey to understand students' study habits and willingness to share their own study materials. Also we tried to learn their opinions on online platforms which they are used to reach or share study notes and materials.

Survey Link:

https://docs.google.com/forms/d/e/1FAIpQLSfjBpTIEJUWN9B_7VwT5HdklTgCRPhN5qkJ8k3NDwk9H4ctA/viewform

91 participants participated our survey in different genders. First of all we try to learn their habits for studying and willingness to share their own study notes.

Lütfen aşağıdaki seçeneklerden size göre en uygun olanları seçiniz. *

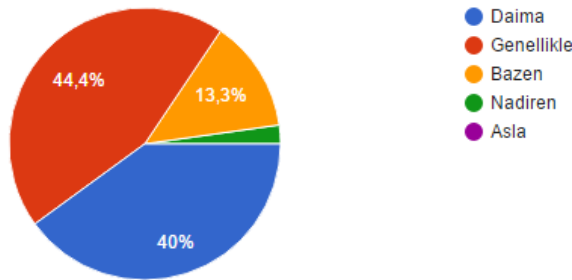
	Kesinlikle Katılmıyorum	Katılmıyorum	Kararsızım	Katılıyorum	Kesinlikle Katılıyorum
Derste aldığım notlar benim için yeterlidir.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ders kitapları ve fotokopi notları ihtiyacımı karşılıyor.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ders notlarımı paylaşmaya istekliyimdir.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dersi geçtikten sonra notlarımı başkalarıyla paylaşabilirim.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ders notlarımı paylaşmanın benim başarıımı olumsuz etkileyeceğini düşünüyorum.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The results show that more than half of the participants think that as only source, their own study notes are not enough to getting prepared for the exams. We can see that students need other people's notes to feel fully ready for exams. Again, more than half of the participants think that the conventional methods (copy, books etc.) don't provide enough source for preparing exams and they need other sources for reaching study notes. Also, we see that most of the students (47 students) are willing to share their own notes with others and 71 students think that sharing study notes with others don't have effect on their own success. In addition, students (66 students) are more willing to share their notes, after they pass that lesson.

Then we tried to learn how students use internet to reach study materials and we saw that the great majority of students use internet to search and find study materials.

Derslerinize ilgili kaynak, materyal ve notlara erişim için interneti ne sıklıkla kullanıyorsunuz?

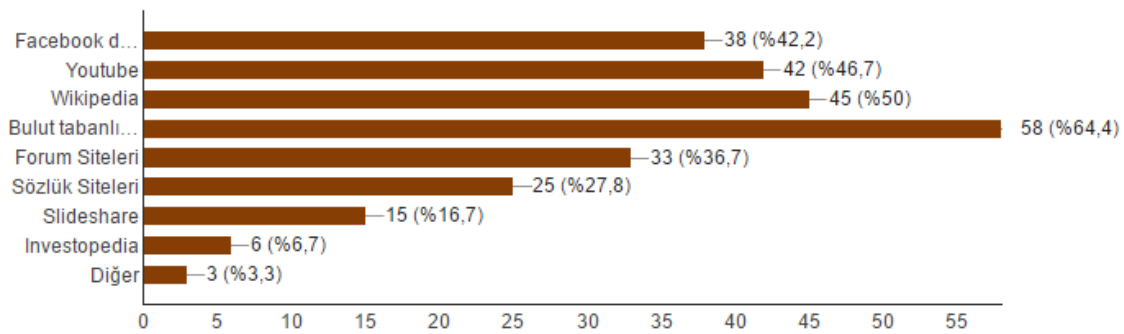
(90 yanıt)



In another two questions, we tried to learn which internet platforms are used to reach study materials and which kind of study materials are preferred by students.

Derslerinize ilgili materyal ve dokümanlara ulaşmak için kullandığınız online platformlar nelerdir?

(90 yanıt)



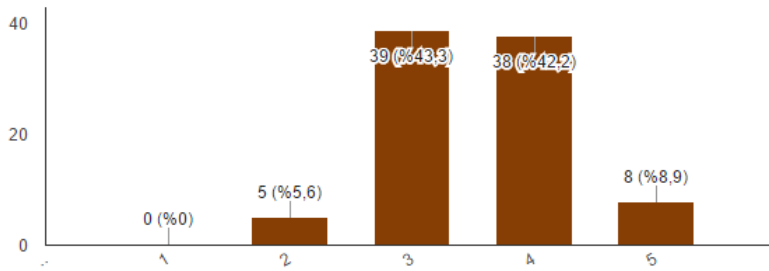
As we found out, large majority of students look for online PDF sources and study notes. Also we found that students mostly use social platforms and cloud based storage

(Dropbox, Google Drive etc.) to reach that study materials. So we can say that a platform which can provide file sharing and communication among users could provide students to reach most of their study needs.

Finally we tried to learn students' satisfaction on existing online platforms that they already use and their willingness to use our project for finding and sharing study notes and communicating with others.

Bu platformlar aradığınız kaynaklara ulaşmanızda ne derece yardımcı oluyor?

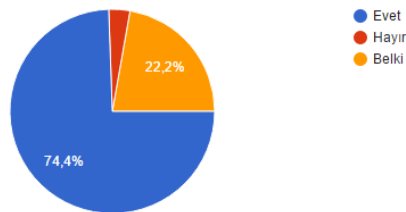
(90 yanıt)



Students are highly satisfied with existing platforms, they use several online platforms to find and share study materials and they think these platforms are useful.

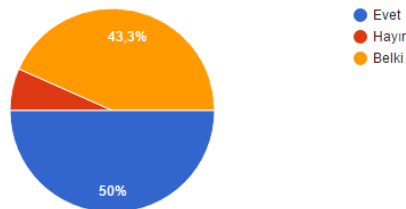
Bu platformlara alternatif olarak daha özgün bir şekilde ders notu ve kaynak paylaşımı yapılan ve kullanıcılar arasında iletişimi sağlayan online bir ortam olsaydı kullanır mıydınız?

(90 yanıt)



Elinizdeki notları ve faydalı materyalleri böyle bir ortamda diğer kullanıcılarla paylaşıyor muydunuz?

(90 yanıt)



Although students are highly satisfied with existing platforms, they are also willing to use a specific platform which only provides study notes sharing and communicating with others. Also majority of students are willing to share their own notes on that kind of platform.

As a result we can say that students highly use internet platforms to search and find study materials and they are highly satisfied with ability of searching and finding study materials on online platforms. Also they are willing to use and contribute a specific platform for these purposes.

Cost Estimation

To start project we need very few requirements such as domain name (approx. 8 – 15 \$) and virtual private server (approx. 15 – 20 \$). As project grows, we will be needing better servers such as virtual dedicated servers or physical servers so we can say most costly thing in our project will be maintaining and running servers. (Labor costs doesn't estimated)

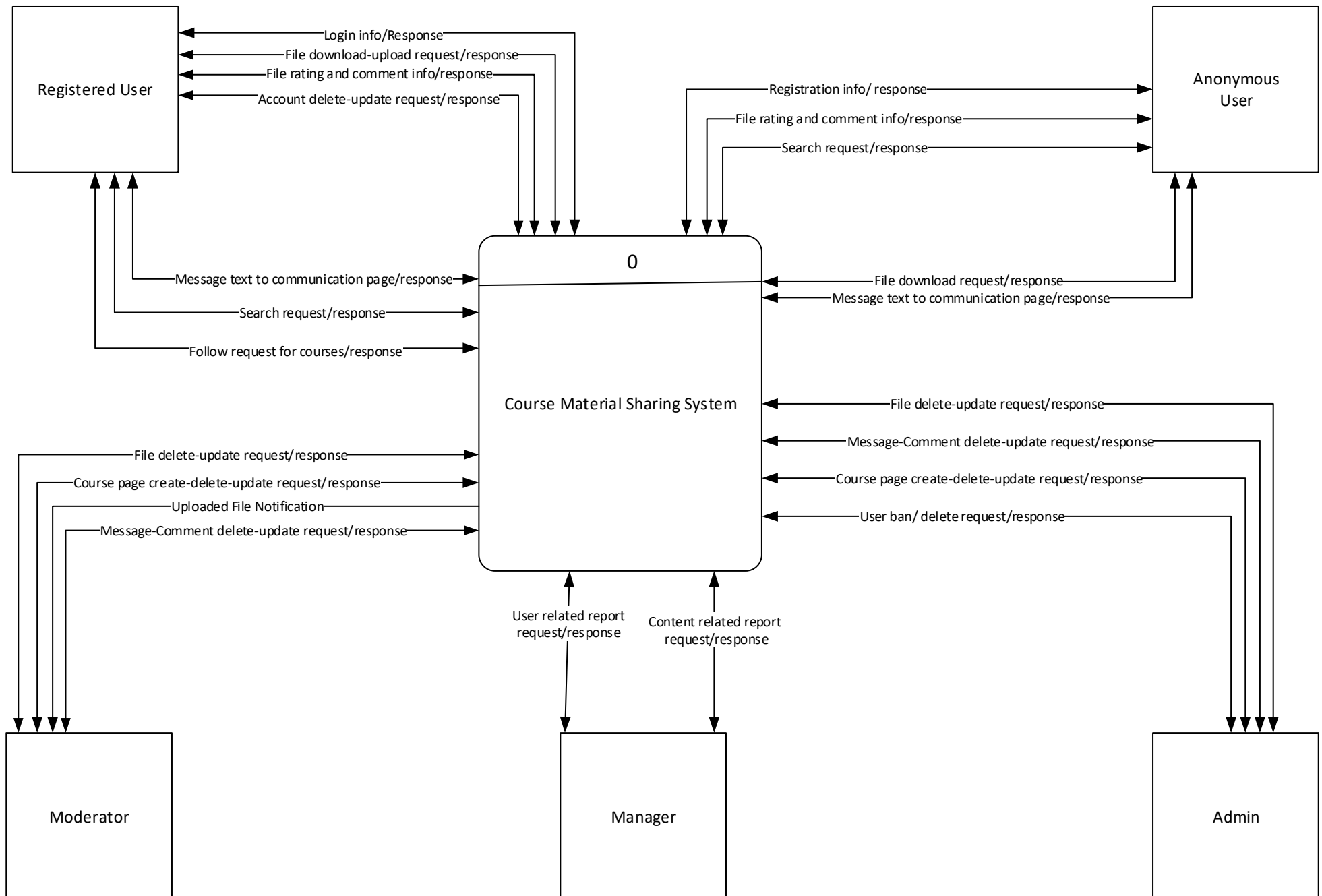
Expected Benefits

With this new student portal, students will access to materials and share own files more easily and the system may lead students to spent less time on searching course related materials. Also putting ads aimed at students on website we have chance to make profit.

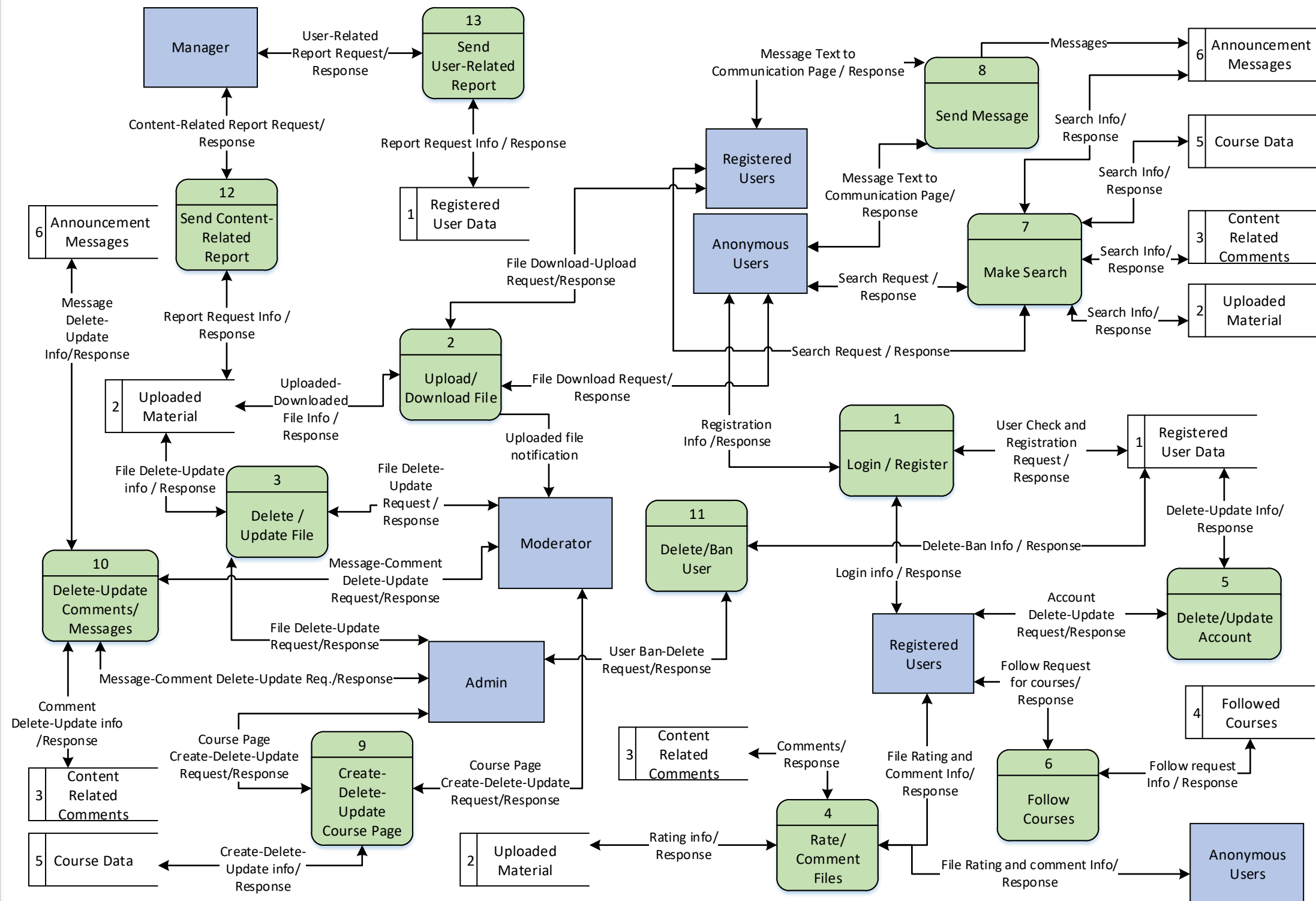
Phase 3 Revised Context Diagram

Project Name: Student Portal

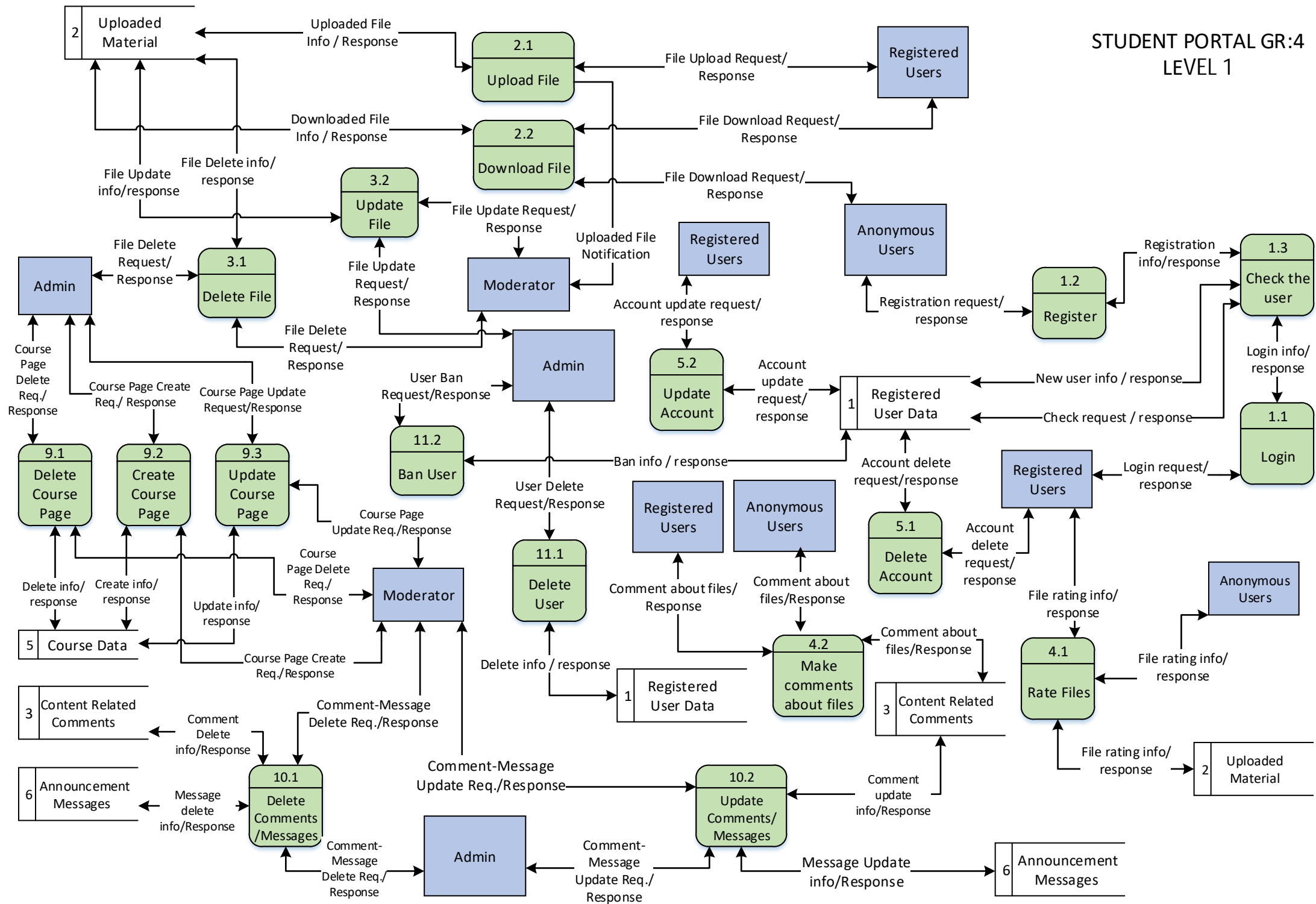
Group Members: Enes Emre Akbulut, Furkan Sarıca, İsmail Elkıran, Sercan Paçacı

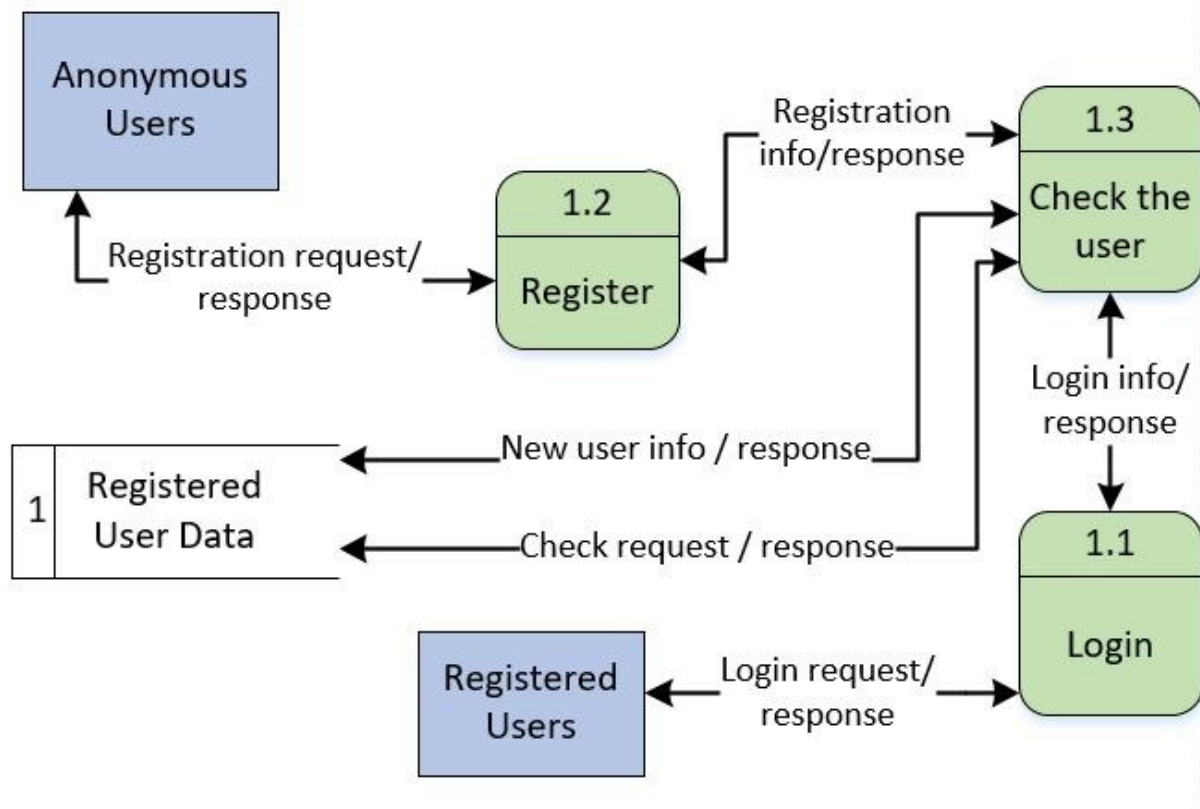


STUDENT PORTAL – PHASE 4



STUDENT PORTAL GR:4
LEVEL 1





EXTERNAL ENTITY DESCRIPTION FORM

Entry Type: External Entity

Name: Registered Users

Label: Registered Users

Alias: Web Site User

Input Data Flow: Login response

Output Data Flow: Login info

DESCRIPTION

'Registered Users' external entity resembles the users who wants to download or upload studying materials. Registered user also can update or delete their accounts, rate files, make comments etc. Registered User enters the website, logins, and browses to find materials they need. Registered User entity consists of both existing and new user.

COMMENT/NOTES

The system identifies two type of users: Registered Users and Anonymous Users. The main difference between them is permission to upload a material. Thus, only registered users can upload and share materials although both have downloading, rating files, making comment abilities.

EXTERNAL ENTITY DESCRIPTION FORM	
Entry Type: External Entity	
Name: Anonymous Users	
Label: Anonymous Users	Alias: Web Site User
Input Data Flow: Registration response	
Output Data Flow: Registration info	
DESCRIPTION	
<p>'Anonymous Users' external entity resembles the users who wants to only download studying materials. Anonymous user also can rate files and make comments. Anonymous user enters the website, and browses to find materials needed. If Anonymous user wants to upload files, s/he must be registered to the system and login.</p>	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Registration Request	
Label: Registration Request	Alias: Registration Request
Origin: Anonymous User	Destination: Process 1.2: Register
VOLUME AND FREQUENCY	
Number of registration info requests.	
DESCRIPTION	
<p>Registration info comes from only non-registered users (anonymous users) to register process when they want to register. Then it flows to checking process to be checked whether it is already registered or not.</p>	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Registration Request Response	
Label: Registration Request Response	Alias: Registration Request Response
Origin: Process 1.2: Register	Destination: Anonymous User
VOLUME AND FREQUENCY	
Number of registration info requests.	
DESCRIPTION	
Registration request response info comes from register process to only non-registered users (anonymous users). It contains data about registration process result.	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Registration Info	
Label: Registration Info	Alias: Registration Info
Origin: Process 1.2: Register	Destination: Process 1.3: Check the user
VOLUME AND FREQUENCY	
Number of registration info requests.	
DESCRIPTION	
Format checked user registration data.	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Registration Info Response	
Label: Registration Info Response	Alias: Registration Info Response
Origin: Process 1.3: Check the user	Destination: Process 1.2: Register
VOLUME AND FREQUENCY	
Number of registration response requests	
DESCRIPTION	
If there is not any user account matched with registration info, the new user is registered and user is informed. If there is a user account matched with registration info then send a message to user: 'you are already registered, please login'	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: New User Info	
Label: New User Info	Alias: New User Info
Origin: Process 1.3: Register	Destination: Data Store D1: Registered User Data
VOLUME AND FREQUENCY	
Number of new user info requests are depending on number of new users count.	
DESCRIPTION	
Information about users who are not registered in the system are sent to datastore.	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: New User Response	
Label: New User Response	Alias: New User Response
Origin: Data Store D1: Registered Users Data	Destination: Process 1.3: Check the user
VOLUME AND FREQUENCY	
Number of new user response requests are depending on number of new users count.	
DESCRIPTION	
Send a message to the new user: 'you are successfully registered'	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Check Request	
Label: Check Request	Alias: Check Request
Origin: Process 1.3: Check the User	Destination: Data Store D1: Registered Users Data
VOLUME AND FREQUENCY	
Number of registration info + login info requests	
DESCRIPTION	
User information is sent to data store and checked whether it is registered or not.	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Check Response	
Label: Check Response	Alias: Check Response
Origin: Data Store D1: Registered Users Data	Destination: Process 1.3: Check the User
VOLUME AND FREQUENCY	
Number of registration info + login info requests	
DESCRIPTION	
Send a response to process 1.3: 'user is already registered' or 'user is not exists'	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Login Request	
Label: Login Request	Alias: Login Request
Origin: Registered User	Destination: Process 1.1: Login
VOLUME AND FREQUENCY	
Number of registered users login requests. Estimated by 250-300 per a day.	
DESCRIPTION	
Login request info (username and password) are taken from registered user and sent to login process. Login info format is checked and then it flows to Process 1.3 'check the user' to be checked if username and password are correct or not..	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Login Response	
Label: Login Response	Alias: Login Response
Origin: Process 1.1: Login	Destination: Registered User
VOLUME AND FREQUENCY	
Number of login info requests	
DESCRIPTION	
Send a response to registered user. If login request info format is not correct, send message "username or password is not in correct format"	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Login Info	
Label: Login Info	Alias: Login Info
Origin: Process 1.1: Check the User	Destination: Process 1.3:Login
VOLUME AND FREQUENCY	
Number of login info requests	
DESCRIPTION	
It flows to Process 1.3 'check the user' in order to check that username and password are valid in database.	
COMMENT/NOTES	

DATA FLOW DESCRIPTION FORM	
Entry Type: Data Flow	
Name: Login Info Response	
Label: Login Info Response	Alias: Login Info Response
Origin: Process 1.3: Check the User	Destination: Process 1.1:Login
VOLUME AND FREQUENCY	
Number of login info requests	
DESCRIPTION	
Send a response to registered user. If login info is correct, homepage is displayed to user. If it is not correct, Send a message to the user: 'username or password is wrong, please try again'	
COMMENT/NOTES	

PROCESS DESCRIPTION FORM	
Entry Type: Process	
Name: Login	
Label: Login	
(Process) Number: 1.1	
Input Data Flow: Login Request, Login Info Response	Output Data Flow: Login Info, Login request response
DESCRIPTION	
Takes login information from the user and checks if it is in correct format or not. If it is in correct format then sent login info to check the user process. Takes Login Info Response and send back to registered user as Login request response	
TYPE OF PROCESS	
<input checked="" type="checkbox"/> Online <input type="checkbox"/> Batch <input type="checkbox"/> Manual	
REF. TO NAME:	
<input checked="" type="checkbox"/> Structured English <input type="checkbox"/> Decision Table <input type="checkbox"/> Decision Tree	
IF Username AND Password isContainsIllegalCharacters	

RETURN ERROR " username or password is not in correct format" ELSE SEND Login info to check user process IF Login info response isMember RETURN message " 'userName' +welcome to student portal" ELSE RETURN message "member is not found"
COMMENT/NOTES:
Do not use any of these common illegal characters/symbols in username and passwords: # pound < left angle bracket \$ dollar sign + plus sign % percent > right angle bracket ! exclamation point ` backtick & ampersand * asterisk ' single quotes pipe { left bracket ? question mark " double quotes = equal sign } right bracket / forward slash : colon \ back slash blank spaces @ at sign

PROCESS DESCRIPTION FORM	
Entry Type: Process	
Name: Register	
Label: Register	
(Process) Number: 1.2	
Input Data Flow: Registration Request, Registration Info Response	Output Data Flow: Registration Info, Registration Request Response
DESCRIPTION	
Takes information about anonymous user, check new user info is in correct format or not . If new user info in correct format then send to checking process if not send error message to anonymous user. Takes response from checking process and send to anonymous user(registering a new user is completed or not).	
TYPE OF PROCESS	
<input checked="" type="checkbox"/> Online <input type="checkbox"/> Batch <input type="checkbox"/> Manual	
REF. TO NAME:	
<input checked="" type="checkbox"/> Structured English <input type="checkbox"/> Decision Table <input type="checkbox"/> Decision Tree	
COMMENT/NOTES:	
Do not use any of these common illegal characters/symbols in username and passwords: # pound < left angle bracket \$ dollar sign + plus sign % percent > right angle bracket ! exclamation point ` backtick & ampersand * asterisk ' single quotes pipe { left bracket ? question mark " double quotes = equal sign	

} right bracket	/ forward slash	: colon
\ back slash	blank spaces	@ at sign

PROCESS DESCRIPTION FORM		
Entry Type: Process		
Name: Check the User		
Label: Check the User		
(Process) Number: 1.3		
Input Data Flow: Login Info, Registration Info, Check response, New user info response	Output Data Flow: Login Response, Check Request, Registration Response, New user info	
DESCRIPTION		
Takes registration info from anonymous user and login info from registered user, sends check request to data store, checks infos and sends responses to users.		
TYPE OF PROCESS		
<input checked="" type="checkbox"/> Online <input type="checkbox"/> Batch <input type="checkbox"/> Manual		
REF. TO NAME:		
<input checked="" type="checkbox"/> Structured English <input type="checkbox"/> Decision Table <input type="checkbox"/> Decision Tree		
COMMENT/NOTES:		
DATA STORE DESCRIPTION FORM		
Entry Type: Data Store		
Name: Registered Users Data		
Label: Registered Users Data	Alias: Registered Users Data	
DESCRIPTION:		
Data Store which contains registered users by certain processes.		
VOLUME AND FREQUENCY:		
Number of new users.		
ATTRIBUTES:		
userID, userRole, userName, userPassword, userMail		

COMMENT/NOTES:**DATA STRUCTURE DESCRIPTION FORM****Entry Type:** Data Structure**Name:**Registered Users Data**Label:** Registered Users Data**Alias:** Registered Users Data**DESCRIPTION:**

Detailed information about a registered user.

ATTRIBUTES:

Name	Type	Length	Required
userID	Numeric	Long Integer	Yes
userRole	Alphanumeric	20	Yes
userName	Alphanumeric	50	Yes
userPassword	Alphanumeric	12	Yes
userMail	Alphanumeric	100	No

COMMENT/NOTES:**DATA ELEMENT DESCRIPTION FORM****Entry Type:** Data Element**Name:** userID**Label:** userID**Alias:** Place_ID**Source:** Registered Users Data**Security:** Admin**Responsible User:** Admin**DESCRIPTION:**

Unique id given to each user.

TYPE:☐ Alphanumeric ☐ Date ☒ Numeric ☐ Currency

TYPE:	
<input checked="" type="checkbox"/> Base <input type="checkbox"/> Derived	
VALIDATION CRITERIA:	
Continuous	Discrete
ATTRIBUTES:	
Length:	Long Integer
Decimal Point:	
Input Format:	
Output Format:	
Default Value:	
COMMENT/NOTES:	
userID is generated automatically starting from 1 and incremented by 1.	

DATA ELEMENT DESCRIPTION FORM	
Entry Type: Data Element	
Name: userRole	
Label: userRole	Alias: userRole
Source: Registered Users Data	Security: Admin
Responsible User: Admin	
DESCRIPTION:	
Roles given each user.	
TYPE:	
<input checked="" type="checkbox"/> Alphanumeric <input type="checkbox"/> Date <input type="checkbox"/> Numeric <input type="checkbox"/> Currency	
TYPE:	
<input checked="" type="checkbox"/> Base <input type="checkbox"/> Derived	
VALIDATION CRITERIA:	
Continuous	Discrete

ATTRIBUTES:		
Length:	20	
Decimal Point:	None	
Input Format:	None	
Output Format:	None	
Default Value:	None	
COMMENT/NOTES:		

DATA ELEMENT DESCRIPTION FORM			
Entry Type: Data Element			
Name: userName			
Label: userName		Alias: userName	
Source: Registered Users Data		Security: Admin	
Responsible User: Admin			
DESCRIPTION:			
User names.			
TYPE:			
<input checked="" type="checkbox"/> Alphanumeric <input type="checkbox"/> Date <input type="checkbox"/> Numeric <input type="checkbox"/> Currency			
TYPE:			
<input checked="" type="checkbox"/> Base <input type="checkbox"/> Derived			
VALIDATION CRITERIA:			
Continuous		Discrete	
ATTRIBUTES:			
Length:	50		
Decimal Point:	None		
Input Format:	None		

Output Format:	None
Default Value:	None
COMMENT/NOTES:	

DATA ELEMENT DESCRIPTION FORM	
Entry Type: Data Element	
Name: userPassword	
Label: userPassword	Alias: userPassword
Source: Registered Users Data	Security: Admin
Responsible User: Admin	
DESCRIPTION:	
Users passwords	
TYPE:	
<input checked="" type="checkbox"/> Alphanumeric <input type="checkbox"/> Date <input type="checkbox"/> Numeric <input type="checkbox"/> Currency	
TYPE:	
<input checked="" type="checkbox"/> Base <input type="checkbox"/> Derived	
VALIDATION CRITERIA:	
Continuous	Discrete
ATTRIBUTES:	
Length:	12
Decimal Point:	None
Input Format:	None
Output Format:	None
Default Value:	None
COMMENT/NOTES:	
Passwords will be generated by the user.	

DATA ELEMENT DESCRIPTION FORM			
Entry Type: Data Element			
Name: userMail			
Label: userMail		Alias: userMail	
Source: Registered Users Data		Security: Admin	
Responsible User: Admin			
DESCRIPTION:			
Users mails.			
TYPE:			
<input checked="" type="checkbox"/> Alphanumeric <input type="checkbox"/> Date <input type="checkbox"/> Numeric <input type="checkbox"/> Currency			
TYPE:			
<input checked="" type="checkbox"/> Base <input type="checkbox"/> Derived			
VALIDATION CRITERIA:			
Continuous		Discrete	
ATTRIBUTES:			
Length:		100	
Decimal Point:		None	
Input Format:		None	
Output Format:		None	
Default Value:		None	

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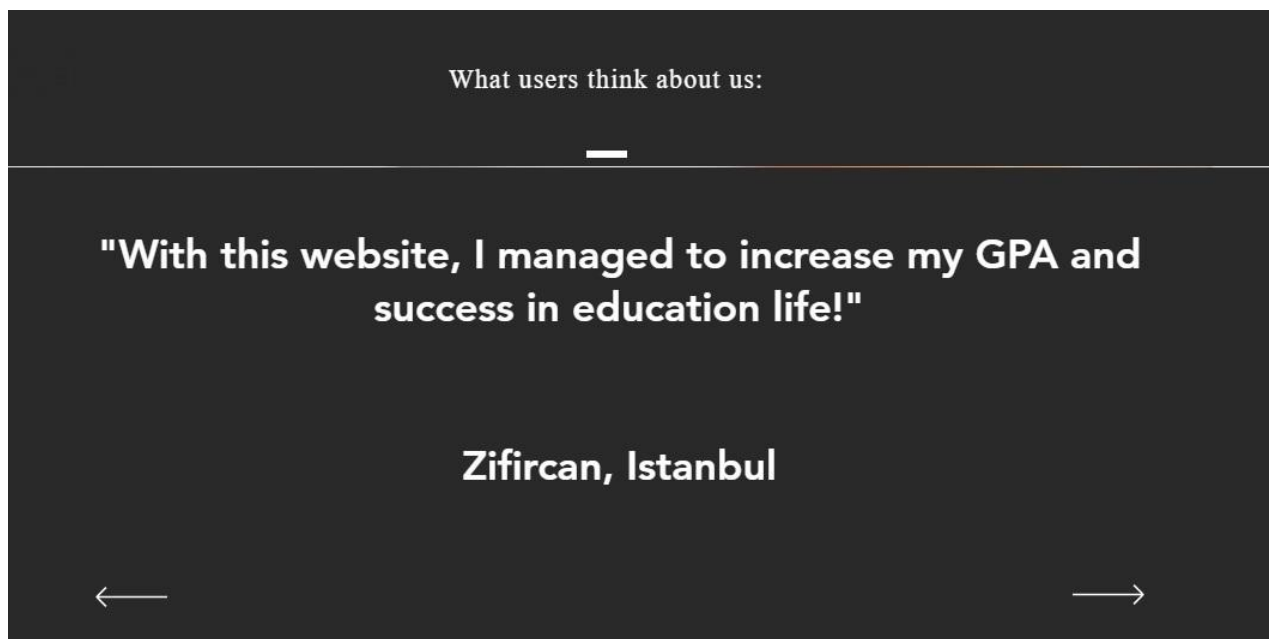
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Name

E-mail

Username

Password

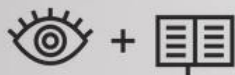




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