

BBM473 Project - Group 2

Course Enrollment System

Phase 4 Report

21627103 - Ayça Meriç Çelik
21526638 - Okan Alan
21527214 - Kaan Mersin

Introduction

In this phase of our project, we developed a fully-functioning web application for our course registration system. We used PHP for the backend side and MYSQL as our database. We wrote various SQL queries and functions. We also used views, stored procedures and triggers we implemented earlier.

Our Web Application

1. Login Pages

You can access our website from the IP “167.71.66.201”.

- **Student/Instructor Login Page:** <http://167.71.66.201/dbms/login.php>
- **Admin Login Page:** <http://167.71.66.201/dbms/admin/login.php>

The credentials we use for this demo are:

- **Student:** username -> “981”, password -> “Okan123”
- **Instructor:** username -> “591”, password -> “KaanMersin123”
- **Admin:** username -> “1”, password -> “Meric123”

In the student/instructor login page, the user should select his/her role in order to log in successfully.

When a user enters the wrong credentials, the system gives the proper warning and log-in is not succeeded.

Do you want to be a student? [Click Me for Registration](#)

LOGIN

Enter your username and password:

User ID:

Password:

Role:

student ▾

Login

Invalid credentials!

2. Encryptions

All passwords are stored in the database in an encrypted format. In the below, you can see admin, instructor and student credentials accordingly.

userid	adminName	adminSurname	password
1	Ayça Meriç	Çelik	b14e10f80da0a65d5bbf56684194e7915cf08

userid	password
1	b25a4fd961bd2e82cd28ddf98fd275161e49c2f5
2	591 08c0a3d406267f125f3ce4450f065e5bd101b9e6

userid	password
1	981 fb942bdb0f2da6d19a74b83e7bcd852ec7804f22
2	982 7f4f90a94085467927e0ea3732799ed467aa11ad
3	983 b25a4fd961bd2e82cd28ddf98fd275161e49c2f5
4	985 2f6f4d89e3c350f724282f942b80225b2c41d8df
5	994 dc0a6965e68601a12e5e3ce74daac74651d46cba
6	1,003 8e237ee76378600152deff71e4ba44be51952f98
7	1,005 e174fefcbcd465da67f47304c336aaa59c47aad45
8	1,006 dc0337060626a60ea88d21c1a4de2ee0629d0cca
9	1,007 a4d1ef2b0cb2b9c4224d72d9b134641597500b16
10	1,008 8446a708d7b7ca63a59cac4e62071ef3961ad7a8

3. User Scenarios - Student

3.1. Student Log-in

Students can log-in by selecting a role as “student” and giving their correct credentials. After login, they are directed to their main page, where they can see their personal and academic records.

In this window, a student can:

- See his/her name, student number, e-mail, faculty, and department,
- See his/her collected credits, collected grades, GPA, transcript, and advisor,
- See his/her profile photo,
- Change his/her profile photo by uploading a new one from his/her computer.

Do you want to be a student? [Click Me for Registration](#)

LOGIN

Enter your username and password:

User ID:

Password:

Role:

student

Login

Gençler, Cesaretimizi güçlendiren ve sürdüren sizlersiniz. Siz, almakta olduğunuz terbiye ve kültür ile, insanlık değerinin, vatan sevgisinin en değerli örneği olacaksınız.
— Mustafa Kemal ATATÜRK



Select image to upload:

Choose File No file chosen

Change

Okan

ALAN

General Informations

About Courses

Student Number 981

Email 981@mok.edu.tr

Faculty Engineering

Department Computer Engineering

Gençler, Cesaretimizi güçlendiren ve sürdüren sizlersiniz. Siz, almakta olduğunuz terbiye ve kültür ile, insanlık değerinin, vatan sevgisinin en değerli örneği olacaksınız.
— Mustafa Kemal ATATÜRK



Select image to upload:

Choose File No file chosen

Change

Okan

ALAN

General Informations

About Courses

Collected Credits 120

Collected Grade 401

GPA 3.34

Transcript [Click Me To Look Transcript](#)

Advisor Kaan Mersin

3.2. Student Transcript

Students can view their transcripts by clicking the yellow-highlighted area. This transcript contains all the courses the student took until now, how these are graded, term GPA and overall GPA.

Students can also save their transcripts in the PDF format by clicking the “Print This Page” button in the upper-right corner.

TRANSCRIPT

Student No	981	Faculty	Engineering
Surname, Name	ALAN, Okan	Department	Computer Engineering
Start Year	2015	GPA	3.34

2015-2016 Fall Semester				
#	Code	Course Name	Credit	Grade
1	ING111	Language Skills I	3	B1
Semester GPA: 3.25		General GPA: 3.25		
2015-2016 Spring Semester				
#	Code	Course Name	Credit	Grade
1	ING112	Language Skills II	3	B1
Semester GPA: 3.25		General GPA: 3.25		
2016-2017 Fall Semester				
#	Code	Course Name	Credit	Grade
1	MAT101	MAT101	5	B3
2	BBM101	Introduction to Programming I	10	A2
Semester GPA: 3.42		General GPA: 3.37		

←

→

↺


↻

Not secure

167.71.66.201/dbms/student/transcript.php

Apps

Volunteer



MENU

My Tra

TRANSCRIPT

Student No

981

Faculty

Engineering

Surname, Name

ALAN, Okan

Department

Computer Engineering

Start Year

2015

GPA

3.34

2015-2016 Fall Semester

#	Code	Course Name	Credit	Grade
1	ING111	Language Skills I	3	B1
Semester GPA: 3.25		General GPA: 3.25		

2015-2016 Spring Semester

#	Code	Course Name	Credit	Grade
1	ING112	Language Skills II	3	B1
Semester GPA: 3.25		General GPA: 3.25		

2016-2017 Fall Semester

#	Code	Course Name	Credit	Grade
1	MAT101	MAT101	5	B3
2	BBM101	Introduction to Programming I	10	A2
Semester GPA: 3.42		General GPA: 3.37		

2016-2017 Spring Semester

#	Code	Course Name	Credit	Grade
1	MAT102	MAT102	5	C3
2	BBM102	Introduction to Programming II	12	A3
Semester GPA: 3.68		General GPA: 3.35		

2017-2018 Fall Semester

#	Code	Course Name	Credit	Grade
1	BBM205	Discrete Structures	5	B2
2	BBM201	Logic Design	7	A2
3	BBM203	Data Structures	7	A1
Semester GPA: 3.64		General GPA: 3.37		

2017-2018 Spring Semester

#	Code	Course Name	Credit	Grade
1	ING111	Language Skills I	3	B1
Semester GPA: 3.25		General GPA: 3.25		

Print

2 pages

Destination

Save as PDF

Pages

All

Pages per sheet

1

Margins

Default

Options

☒

Headers and footers

☐

Background graphics

Print using system dialog.. (Ctrl+Shift+P)

☒

Cancel

Save

Activities

Document Viewer

1 of 2

1/30/2020

Prç 15:52

Hello, world!.pdf

107,99%

Thu...

TRANSCRIPT

1

2

1/30/2020

Hello, world!

TRANSCRIPT

Student No

981

Faculty

Engineering

Surname, Name

ALAN, Okan

Department

Computer Engineering

Start Year

2015

GPA

3.34

2015-2016 Fall Semester

#	Code	Course Name	Credit	Grade
1	ING111	Language Skills I	3	B1
Semester GPA: 3.25		General GPA: 3.25		

2015-2016 Spring Semester

#	Code	Course Name	Credit	Grade
1	ING112	Language Skills II	3	B1
Semester GPA: 3.25		General GPA: 3.25		

3.3. Student's Current Courses/Schedule

A student can view the courses in his/her basket and the current weekly schedule by following the path “Menu -> My Classes”. In this window, the student can see his/her remaining credit as well.

The screenshot shows a web application interface for a student named Okan ALAN. The top navigation bar includes a logo, a menu, and links to 'My Transcript', 'Course Registration', and 'Welcome : Okan ALAN'. A 'Print this page' button and a 'LOGOUT' link are also present. A message at the top states 'Hey! Okan ALAN, your remaining credit is 8'.

Current Classes

Course Code	Course Name	Section Number	
BBM471	Database Management Systems	1	X
BBM461	Secure Programming	2	X
BBM101	Introduction to Programming I	1	X
BBM371	Data Management	2	X
BBM419	Design Project I	1	X

Weekly Schedule

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
09:00:00	BBM471	BBM371	BBM419		BBM419
10:00:00	BBM471	BBM371	BBM461 BBM419		BBM419
11:00:00	BBM471	BBM371	BBM461		
12:00:00			BBM461		
13:00:00			BBM371	BBM101	
14:00:00			BBM371	BBM101	
15:00:00				BBM101	
16:00:00					
17:00:00					

3.4. Course Registration Dashboard

Students can access the course registration dashboard by clicking “Course Registration” button on the top bar. In this view, a student can see the courses in his/her basket, enroll in a new class, dropping a class from his basket, and change the sections of classes he/she enrolled.

3.5. Enrolling To A Class

To enroll in a class, these requirements should be satisfied:

- The quota of a class should not be exceeded,
- The student should have enough credit left.
- The student should have taken **prerequisite courses** first.

After selecting the course, a confirmation box appears. If the requirements are met, the student enrolls in the course successfully.

Attended Classes

Course Code	Course Name	Section Number	
BBM471	Database Management Systems	1	X
BBM461	Secure Programming	2	X
BBM101	Introduction to Programming I	1	X
BBM371	Data Management	2	X
BBM419	Design Project I	1	X

Join Class

1. Year

2. Year

3. Year

4. Year

ALL

Course Code	Course Name	Section Number	Remaining Quota	Credit	
AIT203	Ataturks Princ. And The History of The Revol. I	1	67	2	+
BBM101	Introduction to Programming I	1	2	10	?

167.71.66.201 says
Are you sure you want to join this class?

Cancel OK

1. Year

2. Year

3. Year

4. Year

ALL

Course Code	Course Name	Section Number	Remaining Quota	Credit	
AIT203	Ataturks Princ. And The History of The Revol. I	1	67	2	+
BBM101	Introduction to Programming I	1	2	10	?
BBM105	Introduction to Computer Engineering	1	4	2	+
BBM105	Introduction to Computer Engineering	2	62	2	+
BBM201	Data Structures	1	63	7	+
BBM201	Data Structures	2	61	7	+
BBM205	Discrete Structures	1	64	5	+
BBM205	Discrete Structures	2	64	5	+
BBM231	Logic Design	1	67	7	+
BBM301	Programming Languages	1	60	4	+

1

2

3

4

5

6

7

10 +

167.71.66.201 says
You join the class


OK

1. Year

2. Year

3. Year

Course Code	Course Name	Section Number	Remaining Quota	Credit	
AIT203	Ataturks Princ. And The History of The Revol. I	1	67	2	+
BBM101	Introduction to Programming I	1	2	10	?
BBM105	Introduction to Computer Engineering	1	4	2	+
BBM105	Introduction to Computer Engineering	2	62	2	+
BBM201	Data Structures	1	63	7	+
BBM201	Data Structures	2	61	7	+
BBM205	Discrete Structures	1	64	5	+
BBM205	Discrete Structures	2	64	5	+
BBM231	Logic Design	1	67	7	+
BBM301	Programming Languages	1	60	4	+



MENU

My Transcript

Course Registration

Welcome - CHAN ALAN

LOGOUT

Attended Classes

Course Code	Course Name	Section Number	
BBM471	Database Management Systems	1	X
BBM461	Secure Programming	2	X
BBM101	Introduction to Programming I	1	X
BBM201	Data Structures	2	X
BBM371	Data Management	2	X
BBM419	Design Project I	1	X

Join Class

1. Year

2. Year

3. Year

4. Year

ALL

Course Code	Course Name	Section Number	Remaining Quota	Credit	
AIT203	Atatürks Princ. And The History of The Revol. I	1	67	2	+
BBM101	Introduction to Programming I	1	2	10	?
BBM105	Introduction to Computer Engineering	1	4	2	+

Waiting for 167.71.66.201...

3.6. Changing A Section

The screenshot shows a web browser window with the address bar displaying "167.71.66.201/dcms/student/courseRegistration.php". The page has a dark header with navigation links: "MENU", "My Transcript", "Course Registration", and "Welcome - CHAN ALAN". A "LOGOUT" link is visible on the right. A search bar is present above a table of courses. A modal dialog box is open in the center, displaying the text "167.71.66.201 says" and "Are you sure you want to update section of this class?", with "Cancel" and "OK" buttons. The table below has columns: "Course Code", "Course Name", "Section Number", "Remaining Quota", "Credit", and a button column. The table lists several courses, with the row for "BBM201 Data Structures" (Section 1) highlighted in grey.

Course Code	Course Name	Section Number	Remaining Quota	Credit	
AIT203	Atatürks Princ. And The History of The Revol. I	1	67	2	+
BBM101	Introduction to Programming I	1	2	10	?
BBM105	Introduction to Computer Engineering	1	4	2	+
BBM105	Introduction to Computer Engineering	2	62	2	+
BBM201	Data Structures	1	63	7	?
BBM201	Data Structures	2	60	7	?
BBM205	Discrete Structures	1	64	5	+

Course Registration						LOGOUT
Welcome - Oksan ALAN						
Search						
1. Year 2. Year 3. Year 4. Year ALL						
Course Code	Course Name	Section Number	Remaining Quota	Credit		
AIT203	Ataturks Princ. And The History of The Revol. I	1	67	2	+	
BBM101	Introduction to Programming I	1	2	10	?	
BBM105	Introduction to Computer Engineering	1	4	2	+	
BBM105	Introduction to Computer Engineering	2	62	2	+	
BBM201	Data Structures	1	0	7	?	
BBM201	Data Structures	2	61	7	?	
BBM205	Discrete Structures	1	64	5	+	
BBM205	Discrete Structures	2	64	5	+	
BBM231	Logic Design	1	67	7	+	
BBM301	Programming Languages	1	60	4	+	

Waiting for 167.71.66.201...

Course Registration						LOGOUT
Welcome - Oksan ALAN						
Search						
1. Year 2. Year 3. Year 4. Year ALL						
Course Code	Course Name	Section Number	Remaining Quota	Credit		
BBM471	Database Management Systems	1			x	
BBM461	Secure Programming	2			x	
BBM101	Introduction to Programming I	1			x	
BBM201	Data Structures	1			x	
BBM371	Data Management	2			x	
BBM419	Design Project I	1			x	

Join Class

Search						
1. Year 2. Year 3. Year 4. Year ALL						
Course Code	Course Name	Section Number	Remaining Quota	Credit		
AIT203	Ataturks Princ. And The History of The Revol. I	1	67	2	+	
BBM101	Introduction to Programming I	1	2	10	?	
BBM105	Introduction to Computer Engineering	1	4	2	+	

Waiting for 167.71.66.201...


3.7. Dropping A Class

A student can drop a course from his/her basket. After confirming the selection, the success box will appear.

167.71.66.201 says						
You delete the class						OK
Course Registration						LOGOUT
Welcome - Oksan ALAN						
Search						
1. Year 2. Year 3. Year 4. Year ALL						
Course Code	Course Name	Section Number	Remaining Quota	Credit		
BBM471	Database Management Systems	1			x	
BBM461	Secure Programming	2			x	
BBM101	Introduction to Programming I	1			x	
BBM201	Data Structures	1			x	
BBM371	Data Management	2			x	
BBM419	Design Project I	1			x	

Join Class

Search						
--------	--	--	--	--	--	--


MENU
My Transcript
Course Registration
Welcome - Ömer ALAN
LOGOUT


Attended Classes

Course Code	Course Name	Section Number	
BBM471	Database Management Systems	1	X
BBM461	Secure Programming	2	X
BBM101	Introduction to Programming I	1	X
BBM371	Data Management	2	X
BBM419	Design Project I	1	X

Join Class

1. Year
2. Year
3. Year
4. Year
ALL

Course Code	Course Name	Section Number	Remaining Quota	Credit	
AIT203	Atatürks Princ. And The History of The Revol. I	1	67	2	+
BBM101	Introduction to Programming I	1	2	10	?
BBM105	Introduction to Computer Engineering	1	4	2	+
BBM105	Introduction to Computer Engineering	2	62	2	+


MENU
My Transcript
Course Registration
Welcome - Ömer ALAN
LOGOUT

Join Class

1. Year
2. Year
3. Year
4. Year
ALL

Course Code	Course Name	Section Number	Remaining Quota	Credit	
AIT203	Atatürks Princ. And The History of The Revol. I	1	67	2	+
BBM101	Introduction to Programming I	1	2	10	?
BBM105	Introduction to Computer Engineering	1	4	2	+
BBM105	Introduction to Computer Engineering	2	62	2	+
BBM201	Data Structures	1	0	7	+
BBM201	Data Structures	2	61	7	+
BBM205	Discrete Structures	1	64	5	+
BBM205	Discrete Structures	2	64	5	+
BBM231	Logic Design	1	67	7	+
BBM301	Programming Languages	1	60	4	+

3.8 Search For a Class

A student can search a class among all classes of his/her department by entering a full string or a substring.

Join Class

1. Year
2. Year
3. Year
4. Year
ALL

Course Code	Course Name	Section Number	Remaining Quota	Credit	
BBM401	Automata Theory and Formal Languages	1	64	6	+

1
10

Search

bbm4

1. Year

2. Year

3. Year

4. Year

ALL

Course Code	Course Name	Section Number	Remaining Quota	Credit	
BBM401	Automata Theory and Formal Languages	1	64	6	+
BBM403	Combinatorics and Graph Theory	1	61	6	+
BBM405	Fundamentals of Artificial Intelligence	1	61	6	+
BBM405	Fundamentals of Artificial Intelligence	2	70	6	+
BBM407	Fuzzy Logic	1	67	6	+
BBM411	Fundamentals of Bioinformatics	1	62	6	+
BBM411	Fundamentals of Bioinformatics	2	63	6	+
BBM413	Fundamentals of Image Processing	1	68	10	+
BBM419	Design Project I	1	67	10	?
BBM419	Design Project I	2	70	10	?

1

2

3

4

10

1 2 3 4 10

3.9 Changing Profile Picture

A student can change his/her profile picture by uploading a new one from his/her computer. Only .png and .jpg formats are allowed, an alert is thrown otherwise.



MENU

My Transcript

Course Registration

Welcome : Okan ALAN

LOGOUT

Sorry, only PNG,JPG files are allowed.

Gençler, Cesaretimizi güçlendiren ve sürdüren sizlersiniz. Siz, almakta olduğunuz terbiye ve kültür ile, insanlık değerinin, vatan sevgisinin en değerli örneği olacaksınız.
— Mustafa Kemal ATATÜRK



Select image to upload:
Choose File No file chosen

Change

Sorry, only PNG,JPG files are allowed.

Okan

ALAN

General Informations About Courses

Student Number 981
Email 981@mok.edu.tr
Faculty Engineering
Department Computer Engineering



MENU

My Transcript

Course Registration

Welcome : Okan ALAN

LOGOUT

Gençler, Cesaretimizi güçlendiren ve sürdüren sizlersiniz. Siz, almakta olduğunuz terbiye ve kültür ile, insanlık değerinin, vatan sevgisinin en değerli örneği olacaksınız.
— Mustafa Kemal ATATÜRK



Select image to upload:
Choose File No file chosen

Change

Okan

ALAN

General Informations About Courses

Student Number 981
Email 981@mok.edu.tr
Faculty Engineering
Department Computer Engineering



4. User Scenarios - Instructor

4.1. Instructor Log-in

Instructors can log-in by selecting role as “instructor” and giving their correct credentials. After log-in, they are directed to their main page, where they can see their personal records.

In this window, an instructor can:

- See his/her name, instructor number, faculty and department,
- See the students he/she supervises,
- See his/her profile photo,
- Change his/her profile photo by uploading a new one from his/her computer.



Do you want to be a student? [Click Me for Registration](#)



LOGIN

Enter your username and password:

User ID:

Password:


Role:



MENU - My Profile Welcome : Kaan Mersin LOGOUT

Yeni nesli, Cumhuriyet'in özverili öğretmen ve eğitmenleri, sizler yetiştireceksiniz; yeni nesli, sizin eseriniz olacaktır. Eserin kıymeti, sizin yeteneğiniz ve özveriniz derecesiyle uygun olacaktır. Cumhuriyet; fikren, ilmen, fennen, bedenen kuvvetli ve yüksek karakterli koruyucular ister. Yeni nesli, bu kalite ve yetenekte yetiştirmek sizin elinizdedir. Sizlerin, seçkin görevinizin yerine getirilmesine büyük özveriyle varlığınızı vereceğinize hiç şüphe etmem.

— MUSTAFA KEMAL ATATÜRK



Select image to upload:
 No file chosen

Kaan

Mersin

General Informations

Instructor Number 591

Email 591ins@mok.edu.tr


Faculty Engineering

Department Computer Engineering

#	Student Number	Student Name	Student Surname	Start Year	GPA
1	407	gizem	köpek	2017	nan
2	981	Okan	ALAN	2015	3.34
3	1051	güney	kaya	2018	1.93

4.2. Instructor's Courses - This Term

Instructors can access this window by following the path “Menu -> My This Semester Class”. In this window, an instructor can see the courses & sections he/she opened for this term, and his/her weekly schedule.


MENU
My Profile
Welcome : Kaan Mersin
Print this page
LOGOUT

2019-2020 Fall Semester

Current Classes

Course Code	Course Name	Section Number	View
BBM471	Database Management Systems	1	
BBM101	Introduction to Programming I	1	
BBM419	Design Project I	1	
BBM371	Data Management	2	


Weekly Schedule

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
09:00:00	BBM471	BBM371	BBM419		BBM419
10:00:00	BBM471	BBM371	BBM419		BBM419
11:00:00	BBM471	BBM371			
12:00:00					
13:00:00			BBM371	BBM101	
14:00:00			BBM371	BBM101	
15:00:00				BBM101	
16:00:00					
17:00:00					

He/she can also update a course quota, and give grades to the students who took this course by clicking the icon next to the course name.

←
→
Not secure
167.71.66.201/dbms/instructor/lookClass.php?cid=6800&sid=2
☆
🔒
📱
🌐
🔍

Apps
Volunteering...
GSoC
interview
167.71.66.201 says
people_for_m...
nlp
bbm418
BBM406-409


MENU
My Profile
Welcome : Kaan Mersin
Print this page
LOGOUT

Change Quota of Data


167.71.66.201 says
You changed section quota -
OK

Remaining Quota is 64 (Write -5 to decrease 5 quota or write 5 for increasing)

UPDATE

Go To Statistic of This Class

#	Student Number	First Name	Last Name	Grade	Save Grade
1	981	Okan	ALAN	<input type="text"/>	SAVE
2	1240	Çidem	T	<input type="text"/>	SAVE


MENU
My Profile
Welcome : Kaan Mersin
Print this page
LOGOUT

Change Quota of Data Management Section 2

Remaining Quota is 69 (Write -5 to decrease 5 quota or write 5 for increasing)

UPDATE

The instructor can also save this semester's information to his/her computer in a PDF format.

The screenshot shows a web application interface for a semester overview. The main content area displays the '2019-2020 Fall Semester' with two sections: 'Current Classes' and 'Weekly Schedule'.

Current Classes Table:

Course Code	Course Name	Section Number	View
BBM471	Database Management Systems	1	[icon]
BBM405	Introduction to Programming I	1	[icon]
BBM419	Design Project I	1	[icon]
BBM471	Data Management	2	[icon]

Weekly Schedule Table:

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
09:00:00	BBM471	BBM471	BBM419		BBM419
10:00:00	BBM471	BBM471	BBM419		BBM419
11:00:00	BBM471	BBM471			
12:00:00					
13:00:00			BBM471	BBM405	
14:00:00			BBM471	BBM405	
15:00:00				BBM405	
16:00:00					
17:00:00					


A print dialog is open on the right side of the browser window, showing options for 'Destination' (Save as PDF), 'Pages' (All), 'Pages per sheet' (1), 'Margins' (Default), and 'Options' (Headers and footers checked). The dialog also includes a 'Print using system dialog...' checkbox and 'Cancel' and 'Save' buttons.

The bottom part of the image shows the same content being viewed in a PDF document viewer. The viewer's title bar indicates 'Hello, world2.pdf' and the zoom level is 43,40%.


4.3. Instructor's Courses - All Time

Instructors can access this window by following the path "Menu -> My All Classes". In this window, an instructor can see all courses & sections he/she opened before.

MY ALL CLASSES

Course Code	Course Name	Year	Term	View
BBM471	Database Management Systems	2019	Fall	
BBM101	Introduction to Programming I	2019	Fall	
BBM419	Design Project I	2019	Fall	
BBM371	Data Management	2019	Fall	
BBM101	Introduction to Programming I	2018	Fall	
BBM105	Introduction to Computer Engineering	2018	Fall	
BBM102	Introduction to Programming II	2018	Spring	
BBM201	Data Structures	2018	Fall	
BBM371	Data Management	2018	Fall	

The instructor can also see the statistics about this course by clicking the icon near class name.



MENU


My Profile

Welcome : Kaan Merisin

LOGOUT

CLASS STATUS of Introduction to Computer Engineering 2018 Fall

Graded Stats



#	Student Number	First Name	Last Name	Grade
1	10025	bilge	teker	F1
2	10006	ash	adigucet	F1
3	10008	esh	maden	A3
4	1012	omer	kumru	C2
5	1010	yahya	acar	D
6	1018	hakan	maden	A2
7	1020	gugur	kizer	B2
8	1024	talat	kaptan	F3
9	1029	hakan	kutpek	F1
10	1034	mirag	teker	F1
11	1036	medetcan	kaptan	B1
12	1039	esh	kutpek	F1
13	1042	omer	adigucet	F1
14	1046	tugce	erkek	C1

5. User Scenarios - Admin

5.1. Admin Login

Admins can log-in to the system from different link. After logging in, statistical dashboard appears. In this window, the admin can:

- See the take-drop statistics by department,
- See the take-drop statistics by faculty,
- See the take-drop statistics by course.

LOGIN

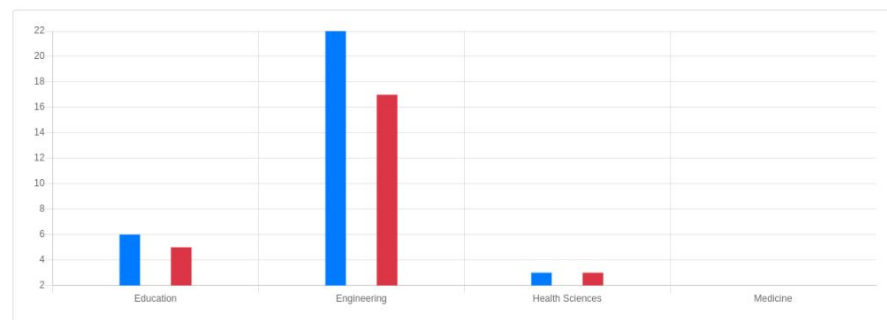
Enter your username and password:

User ID:

Password:

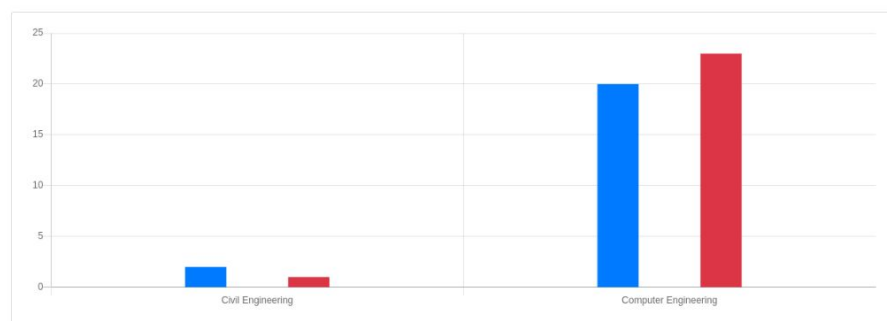
Login

Take-Drop Count of Faculties



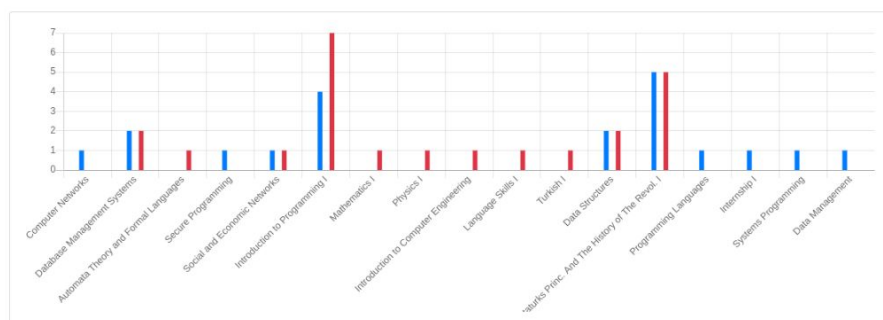
FACULTY [NEXT](#)

Take-Drop Count of Departments



DEPARTMENT [NEXT](#)

Take-Drop Count of Courses



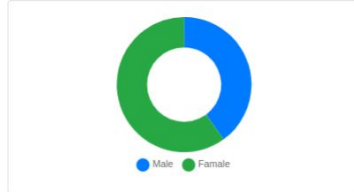
Admins can also see the overall people statistics and filter them by faculties and departments.

FACULTY
Choose...
NEXT

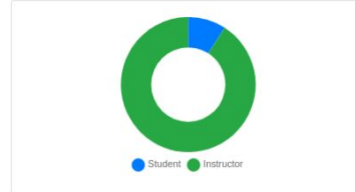
DEPARTMENT
DONE

Information:

Male - Female Student



Instructor - Student



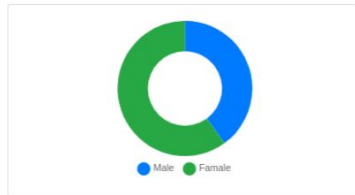
Students Instructors

FACULTY
Engineering
NEXT

DEPARTMENT
Enviromental Engineering
DONE

Information: Engineering Enviromental Engineering

Male - Female Student



Instructor - Student



Students Instructors

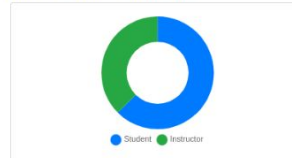
#	Student Number	Student Name	Student Surname	Start Year	Gender	Advisor Name	Advisor Surname
1	435	faruk	kedli	2015	M	gönenç	balık
2	437	onur	koçak	2015	M	süleyman	elmas
3	433	furkan	kedli	2016	F	fuat	özdeş
4	436	halice	kedli	2016	M	kayhan	asal
5	440	slmge	top	2016	F	selman	kartal
6	432	aslan	çiftçi	2019	F	burcu	efe
7	439	aslı	kaplan	2019	M	fuat	özdeş

167.71.66.201/dbms/admin/person.php#instructor

Male - Female Student



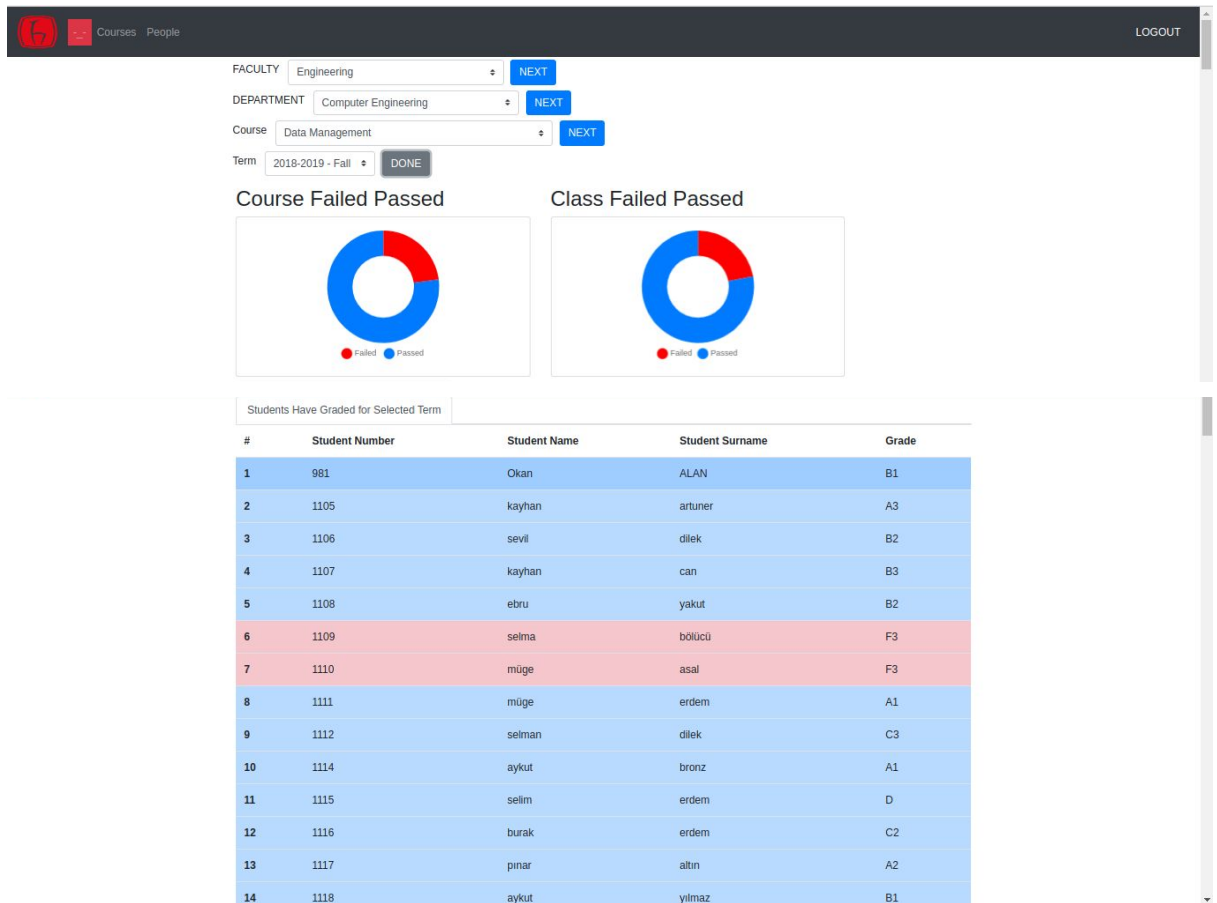
Instructor - Student



Students Instructors

#	Instructor Number	Instructor Name	Instructor Surname	Gender
1	259	süleyman	elmas	F
2	260	burcu	efe	M
3	261	fuat	özdeş	M
4	262	selman	kartal	M
5	263	gönenç	balık	M
6	264	kayhan	asal	M

Admins can also see statistics of a course by selecting faculties and departments.





Additionally, admins can select a student and see his/her information. In this panel, they can change their grades, delete students and update their information.

The interface shows the student's profile for Ayça Meriç ÇELİK. It includes a section for 'General Informations' with fields for Student Number (982), Email (982@mok.edu.tr), Faculty (Engineering), and Department (Computer Engineering). Below this is a table of courses with columns for #, Course Code, Course Name, Year, Fall, Grade, Update, and Delete. The 'Update' column contains yellow buttons with 'x' and the 'Delete' column contains red buttons with 'x'.

#	Course Code	Course Name	Year	Fall	Grade	Update	Delete
1	BBM463	Information Security	2019-2020	Fall		x	x
2	BBM481	Software Development	2019-2020	Fall		x	x
3	BBM405	Fundamentals of Artificial Intelligence	2019-2020	Fall		x	x
4	BBM461	Secure Programming	2019-2020	Fall		x	x
5	BBM462	Social and Economic Networks	2019-2020	Fall		x	x
6	BBM231	Logic Design	2019-2020	Fall		x	x

Admins can also select an instructor and see his/her information and current students. In this panel, they can investigate their course statistics by clicking corresponding class.


[Courses](#)
[People](#)
LOGOUT



adnan

erdem


General Informations

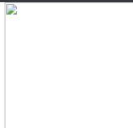
Instructor Number241
Email241@mok.edu.tr
FacultyEngineering
DepartmentComputer Engineering

Select image to upload:
 No file chosen

[Classes](#)
[My Students](#)

#	Course Code	Course Name	Year	Fall	Total Taken Student	Passed Count	Failed Count
1	BBM406	Fundamentals of Machine Learning	2012-2013	Spring	171	131	40
2	BBM412	Computer Graphics	2016-2017	Spring	171	135	36
3	BBM413	Fundamentals of Image Processing	2013-2014	Fall	171	123	48
4	BBM413	Fundamentals of Image Processing	2016-2017	Fall	171	147	24
5	BBM421	Game Technologies	2012-	Fall	171	130	41


[Courses](#)
[People](#)
LOGOUT



adnan

erdem


General Informations

Instructor Number241
Email241@mok.edu.tr
FacultyEngineering
DepartmentComputer Engineering

Select image to upload:
 No file chosen


[Classes](#)
[My Students](#)

#	Student Number	Student Name	Student Surname	Start Year	GPA
1	401	damla	kütük	2018	nan
2	408	yağmur	kumlu	2017	nan
3	994	furkan	kaya	2015	1.40



[Courses](#)
[People](#)
LOGOUT

2012-2013 : Spring-Fundamentals of Machine Learning

Course Failed Passed



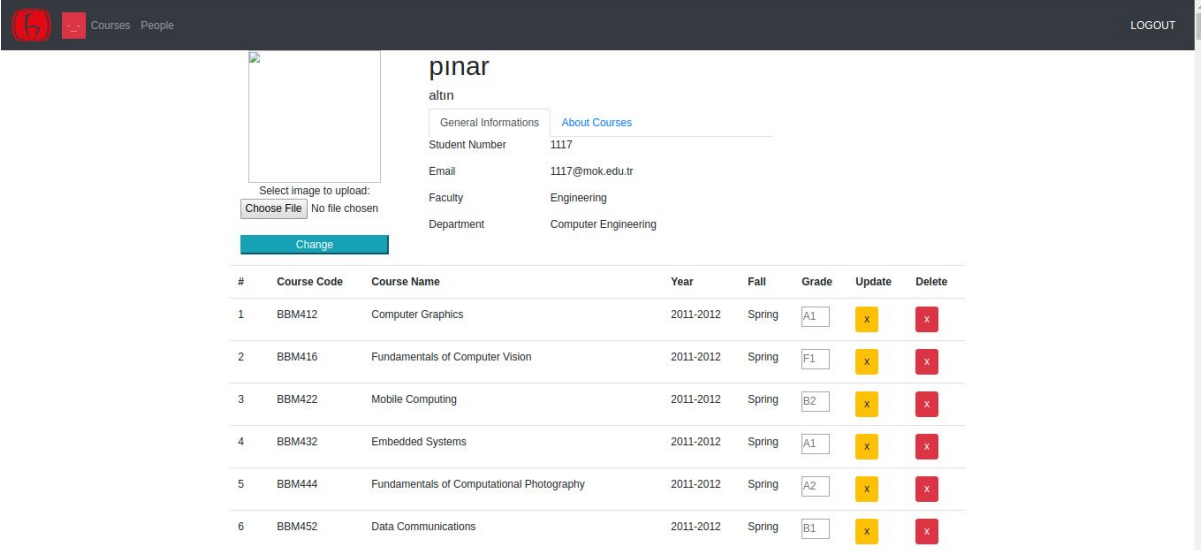
Class Failed Passed



[Students Have Graded for Selected Class](#)

#	Student Number	Student Name	Student Surname	Grade
1	1105	kayhan	artuner	C3
2	1106	sevil	dilek	F1
3	1107	kayhan	can	A2
4	1108	ebru	yakut	B2
5	1109	selma	bölücü	C1

Finally, admins can see the information of graduated students.



The screenshot shows a web application interface. At the top, there is a navigation bar with a logo, 'Courses', 'People', and a 'LOGOUT' button. The main content area displays a user profile for 'pinar altin'. The profile includes a placeholder for a profile picture, a 'Select image to upload' button, and a 'Change' button. Below the profile information, there is a table of courses. The table has columns for '#', 'Course Code', 'Course Name', 'Year', 'Fall', 'Grade', 'Update', and 'Delete'. The table contains six rows of course data.

#	Course Code	Course Name	Year	Fall	Grade	Update	Delete
1	BBM412	Computer Graphics	2011-2012	Spring	A1	x	x
2	BBM416	Fundamentals of Computer Vision	2011-2012	Spring	F1	x	x
3	BBM422	Mobile Computing	2011-2012	Spring	B2	x	x
4	BBM432	Embedded Systems	2011-2012	Spring	A1	x	x
5	BBM444	Fundamentals of Computational Photography	2011-2012	Spring	A2	x	x
6	BBM452	Data Communications	2011-2012	Spring	B1	x	x

6. Log-out

All users can log-out from the system by clicking the “Log-out” button in the upper-right corner. This will redirect them to the login page.

7. SQL Injections



8. Feature Summary

8.1. Encryption

All passwords are encrypted as we mentioned earlier.

8.2. Login screen

We have different login screens for admins and students/instructors.

8.3. Different user login

The users are redirected to different dashboards depending on their roles.

8.4. Picture upload path

Students and instructors can upload pictures and use them as their profile photos. Some requirements are:

- The photo should be in .png or .jpg format,
- The photo size should not exceed 5 MB.

8.5. Data input screen

We have different data input screens; such as instructor's increase quota/assign grade view.

8.6. Listing screen

We have a lot of listing screens; such as transcript page, registration dashboard, instructor's views, etc.

8.7. Reporting

We have PDF reporting for instructors (print this semester's information) and students (print transcript).

8.8. Filtering

We have different filtering functionalities in different views; such as student registration (search course), admin panel (get statistics by faculty and department), etc.

We also have a pagination feature in the course registration page.

8.9. Statistics data

Admins can see overall statistics when instructors can see the statistics on the courses they give.

8.10. Consistent data

All the changes we made in the system changes the database accordingly. All the changes are consistent.

8.11. Dashboard

We have different dashboards for students, instructors, and admins.

8.12. Indexing

Apart from primary keys, CourseName and CourseCode are indexed, because we make a search with these fields a lot.