

Database Management Application Design for ODTÜ ODD (2022) - Serenay A.

A web-based application including form-based user interfaces to support data storage and retrieval activities of ODTÜ ODD is created by using Python and queries written in SQL.

The application accesses the database and does operations depending on the users' requests. Additionally, according to the user inputs, it generates five reports in different formats, such as .csv and .txt files.

Homepage:

ODTÜ ODD Database

[Recipients](#) || [Add](#) | [Edit](#)
[Scholarship Programs](#) || [Add](#) | [Edit](#)
[Stipend Payments](#) || [Add](#) | [Edit](#)
[Donations](#) || [Add](#) | [Edit](#)
[Donators](#) || [Add](#) | [Edit](#)
[Members](#) || [Add](#) | [Edit](#)
Generate [monthly payment orders](#) [here](#)
Generate [reports](#) [here](#)

Welcome to ODTÜ ODD Database!

Here you can manage the ODD Database anytime from anywhere quickly.

- **Add:** To add a new entry, click the add button next to the name of the table.
- **Edit:** There are 4 functions you can do under the editable table.
 - **Search:** You can search for a text in cells using the search bar on the top-left of the page.
 - **Sort:** You can sort each column (ascending and descending order) by clicking on the name of the column.
 - **Edit:** You can edit values of cells by clicking on the cells.
 - **Delete:** You can delete values of the cells by clicking on cells and deleting values. You can delete an entry by deleting the value x in the "Delete" column of that row.
- **Monthly Payment Orders:** You can create payment orders for the months you specify under the monthly payment orders tab.
- **Reports:** You can see the types of reports you can create under the Reports tab and create the report you want by clicking on its name.

Data Adding:

Add New Recipient

[Return to Homepage](#)

Name

Address

Phone Number

Email
xxx@yyy.zz

Department (initials)

Student ID

Citizen ID

First Payment Date
YYYY-MM-DD

Branch No

Account No

IBAN
TRxxx

Status
☐ Active ☐ Passive

Scholarship ID

Add New Donator

[Return to Homepage](#)

Name

Address

Phone Number

Email
xxx@yyy.zz

Citizen ID

Scholarship ID

Add New Stipend Payment

[Return to Homepage](#)

Recipient ID

Payment Date
YYYY-MM-DD

Payment Amount

Scholarship ID

Add New Donation

[Return to Homepage](#)

Amount Received

Donator ID

Payment Date
YYYY-MM-DD

Scholarship ID

Submit

Add New Scholarship

[Return to Homepage](#)

Name

Monthly Stipend Payment

Status
☐ Active ☐ Passive

Detailed Description

Submit

Add New Member

[Return to Homepage](#)

Name

Address

Phone Number

Email
xxx@yyy.zz

Citizen ID

Submit

Results and Warnings from Add Data Process:

Add New Scholarship

[Return to Homepage](#)

Success !

Name

Monthly Stipend Payment

Status
☐ Active ☐ Passive

Detailed Description

Submit

Add New Scholarship

[Return to Homepage](#)

Name

Please fill out this field.

500

Status
☒ Active ☐ Passive

Detailed Description
For women who don't ha

Submit

Table Editing:

Donations Table

You can search, sort, edit and delete cells using this page.

[Return to Homepage](#)

Donation ID	Amount Received	Donator ID	Payment Date	Scholarship ID	Delete
100001	300.00	1	Wed, 01 Jan 2014 00:00:00 GMT	19042011	x
100002	200.00	27	Thu, 02 Jan 2014 00:00:00 GMT	16021995	x
100003	400.00	24	Mon, 20 Jan 2014 00:00:00 GMT	19042011	x
100004	200.00	3	Sun, 02 Feb 2014 00:00:00 GMT	19042011	x
100005	500.00	22	Fri, 07 Feb 2014 00:00:00 GMT	19042011	x
100006	200.00	22	Mon, 10 Feb 2014 00:00:00 GMT	19042011	x
100007	500.00	20	Wed, 26 Feb 2014 00:00:00 GMT	16021995	x
100008	100.00	4	Mon, 03 Mar 2014 00:00:00 GMT	16021995	x
100009	100.00	12	Tue, 04 Mar 2014 00:00:00 GMT	19042011	x
100010	300.00	1	Fri, 04 Apr 2014 00:00:00 GMT	19042011	x

Showing 1 to 10 of 401 results

Previous

123...41Next

Report Generating:

Transaction Date

dd.mm.yyyy

June 2022

↑

↓

M	T	W	T	F	S	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

ClearToday

Generate Monthly Payment Order

You can create a txt file for monthly payment orders by filling the boxes here. First use the submit button to save your input, then use the download button.

[Return to Homepage](#)

Success!

Month to be Queried

1000

Bank Customer Number
4516479

Customer Title

ODTÜ ÖDD

Customer IBAN

TR99999999999999

Currency

TRY

Transaction Date

01.01.2020

Transaction Tim

12:30

Transaction Type

RAVALE

Customer Address

OTÜ Endüstri Mühendisliği

City Code

city code

Payment Order File Folder

C:\Users\lekinn\Desktop

Submit

[Download CSV File](#)[illegible]

Reports Menu

Choose which report you want to generate by clicking on its button.

[Return to Homepage](#)

Total monthly scholarship payments for a selected time period and selected scholarship program

Total monthly donations received for a selected time period and selected scholarship programs

The number of scholarship recipients for each month in a selected time period

The total number of scholarship recipients in each department for the current time period.

Donators and the amount each donator paid in a time period and scholarship program

Total Monthly Scholarship Report

[Return to Homepage](#) || [Return to Reports Menu](#)

Total monthly scholarship payments for a selected time period and selected scholarship program.
You can select all scholarship programs.
The report also gives the sum of scholarship payments for the selected time period.

Current Scholarship Programs

- ☐ Ömer Saatçioğlu Bursu
☐ Halim Doğrusöz Bursu
☐ ODTÜ ODD Bursu
☐ Ahmet Acar Bursu
☐ Kemal Kurdaş Bursu

Beginning Date (DD.MM.YYYY)

dd.mm.yyyy

End Date (DD.MM.YYYY)

dd.mm.yyyy

[Submit](#)

[Download CSV File](#)

	A	B	C
1	Year,Month,Payment		
2	2021,1,18100.0		
3	2021,2,18100.0		
4	2021,3,18100.0		
5	2021,4,18100.0		
6	2021,5,18100.0		
7	2021,6,18100.0		
8	2021,7,18100.0		
9	2021,8,18100.0		
10	2021,9,18100.0		
11	2021,10,18100.0		
12	2021,11,18100.0		
13	2021,12,17550.0		
14	2022,1,17550.0		
15			
16			
17			

Mobile Interface:

23:26

ODTÜ ODD Database

[Recipients](#) | [Add](#) | [Edit](#)
[Scholarship Programs](#) | [Add](#) | [Edit](#)
[Regional Payments](#) | [Add](#) | [Edit](#)
[Donations](#) | [Add](#) | [Edit](#)
[Donors](#) | [Add](#) | [Edit](#)
[Members](#) | [Add](#) | [Edit](#)
[Generate identity payment orders](#) | [New](#)
[Generate reports](#) | [New](#)

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— This tool is created by Ege, Ekim, Pinar and Serenay with love. —

AA Not Secure — 209-187.ngrok.io

23:28

Members Table

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Mem...	ID	Name	Address	Phone No...	Email	Citizen...	Delete
1		Sinan Günel	Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:219 06800 Çankaya/Ankara	3122102272	gucan@metu.edu.tr	424841375	x
2		Erol Karaman	Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:211 06800 Çankaya/Ankara	3122102278	kakoner@metu.edu.tr	555433469	x
3		Mustafa Kemal Tural	Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:335 06800 Çankaya/Ankara	3122102388	tural@metu.edu.tr	552918290	x
4		Deniz Akdemir	Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:335 06800 Çankaya/Ankara	(312) 210-2264	dakdemir@metu.edu.tr	66424802	x
5		Barış Akkaya	Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:335 06800 Çankaya/Ankara	(312) 210-4687	baris@metu.edu.tr	314001217	x
6		Necdet Akayrak	Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:335 06800 Çankaya/Ankara	(312) 210-4787	necdet@metu.edu.tr	854007218	x
7		Tuncay Arsl	Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:335 06800 Çankaya/Ankara	(312) 210-4686	arsl@metu.edu.tr	76082022	x
8		M. Zuhdi Arslan	Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:335 06800 Çankaya/Ankara	(312) 210-4687	mzarlan@metu.edu.tr	729968324	x
9		Sergü Akay	Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:335 06800 Çankaya/Ankara	(312) 210-2265	metu_ay@metu.edu.tr	891245073	x
			Üniversite, Dumlupınar Bld. 16 D-135, Emekçi Mah. No:335 06800 Çankaya/Ankara				

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Address

Phone Number

Email

xxx@yyy.zz

Not Secure — 4f87-144-122-209-187.ngrok.io

AutoFill Contact Done

home serenayfromturkey@gmail.com

q w e r t y u i o p ğ ü
a s d f g h j k l ş i
z x c v b n m ö ç
123 Boşluk @ . Git

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Total Monthly Scholarship Report

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☐ Ahmet Acar Bursu
☐ Kemal Kurdaş Bursu

Beginning Date (DD.MM.YYYY)
(Jan 16, 2022)

June 2022

SUN MON TUE WED THU FRI SAT
1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30

Reset Done

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