

# **Cmpe 321 Project 3 Documentation**

**Serkan Özel**

**2015400123**

**--Project Manager Web Application**

**Aim:**

To Learn to design a relational database structure, making sql queries and implementing the queries in php files by getting required information from user. Moreover, to introduce triggers, subqueries and sql injection block.

**Description:**

In this project admins project managers and employees log in to system.

Admins can add a project and assign the project to project managers.

Project managers log in to the system and create delete or update tasks for their projects. They can call the stored procedures only for their project.

Admin can call the procedures with "ALL".

Also, employees can check their task today.

I used php and mysql databases as technology.

**Concepts:**

There are two triggers in the system:

1. For automatically assigning projects to the managers who have the minimal number of projects.
2. To delete tasks associations when an employee working on a task is deleted from the system.

There are two stored procedures in the system:

1. Takes varchar(255) as input and only does something if the input is 'ALL' or valid project manager id.

A project manager can call this by with only his or her id.

The first procedure is called completed and returns the projects that are finished i.e the

**Notes:**

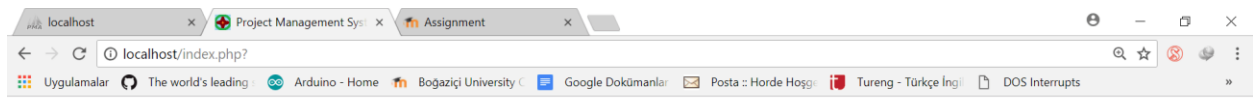
You can execute migrate.sql file to create my database status.

Using `mysql_real_escape_string()` I escaped sql injections.

If user go back from a php page this can result in crashes, because this is not implemented. If something like this happens go to `index.php` again.

Take all the php files and put under `htdocs` file to access them locally. (`localhost`) This is for xampp the others servers are similar.

## **Screenshots**



# Welcome to project management system!

To login,

- If you are an admin, enter your admin login information.
- If you are a project manager, enter your project manager login information.
- If you are an employee, press employee button below.

Your username:

Your password:

Login

I am an employee

• Please note, an employee can only have a task per day.

• You need to give project id and employee id exist in the database.

All the tasks:

ID	Name	Date	Days	Project id
1	emirproject	2018-05-06	3	3
2	fidanproject	2018-05-13	1	3
3	valmiroproject	2018-05-15	1	2
4	valmiroproject	2018-05-01	1	11
5	gradproject	2018-05-07	1	11

All the employees:

ID	Name
1	mustafa
2	selman
3	ozlem
4	adem

All the task assignments:

Employee id	Task id
1	1
2	3
3	4
3	5
3	5
4	5

Your project manager id: 1

All the project assignments:

Project manager id	Project id
1	2
1	11

[Add a task](#) [Update a task](#) [Delete a task](#) [Assign a task to an employee](#) [Log out](#)

localhost Edit tasks Assignment

localhost/edittasks.php?assign=Assign+a+task+to+an+employee

Uygulamalar The world's leading Arduino - Home Boğaziçi University Google Dokümanlar Posta - Horde Hoşg Tureng - Türkçe İng DOS Interrupts

ID	Name
1	mustafa
2	serkan
3	zilem
4	adem

All the task assignments:

Employee id	Task id
1	1
2	3
2	4
2	5
3	5
4	5

Your project manager id: 1

All the project assignments :

Project manager id	Project id
2	2
3	3
1	11

Add a task Update a task Delete a task Assign a task to an employee Log out

Here task id and employee id is required. Le cannot be empty.

Task id:

Employee id:

Assign Task

20:34 07-May-18

localhost Edit project managers Assignment

localhost/editprojectmanagers.php?add=Add+a+project+manager

Uygulamalar The world's leading Arduino - Home Boğaziçi University Google Dokümanlar Posta - Horde Hoşg Tureng - Türkçe İng DOS Interrupts

Projects:

ID	Name	Start Date	Estimated Total Work Days	Area	Status
2	cmpe260project	2018-04-30	3	schemeprogramminglanguage	finished
3	cmpe352twitterapi	2018-05-08	4	nodejs	will done
11	cmpe321project	2018-05-01	10	database	finished

Project managers:

ID	Username
1	projectmanager1
2	projectmanager2
3	projectmanager3

Employees:

ID	Name
1	mustafa
2	serkan
3	zilem
4	adem

Add a project manager Update a project manager's password Delete a project manager Admin Home Log out

Enter the username and password of the project manager. Don't leave, **username** and **password** empty. Note that you cannot create a user with the same username of another user.

Id:

User name:

Password:

Password again:

Click

20:35 07-May-18

localhost Edit projects Assignment

localhost/editprojects.php?update=Update+a+project

Uygulamalar The world's leading Arduino - Home Boğaziçi University Google Dokümanlar Posta - Horde Hoşg Tureng - Türkçe İng DOS Interrupts

3	projectmanager3
---	-----------------

Employees:

ID	Name
1	mustafa
2	serkan
3	zilem
4	adem

Assignments:

Project Manager ID :	Project ID:
2	2
3	3
1	11

[Add a project](#)
[Update a project](#)
[Delete a project](#)
[Assign a project to a project manager](#)
[Log out](#)
[Admin Home](#)

Enter some info, if you don't want to change a field leave it empty, if you want a text field to be NULL, type NULL in it and **id**, cannot be empty here. :

Id of the project you want to update:

New Id :

Name :

Start date:

Estimated Total Work Days:

Area:

Status:

[Click](#)

localhost localhost/storedprocedureadmin.php? Assignment

localhost/storedprocedureadmin.php?

Uygulamalar The world's leading Arduino - Home Boğaziçi University Google Dokümanlar Posta - Horde Hoşg Tureng - T

%150 - + Sıfırla

[Go back](#)

For complete projects, enter some input: (id or ALL )

 [Click](#)

For incomplete projects, enter some input: (id or ALL )

 [Click](#)

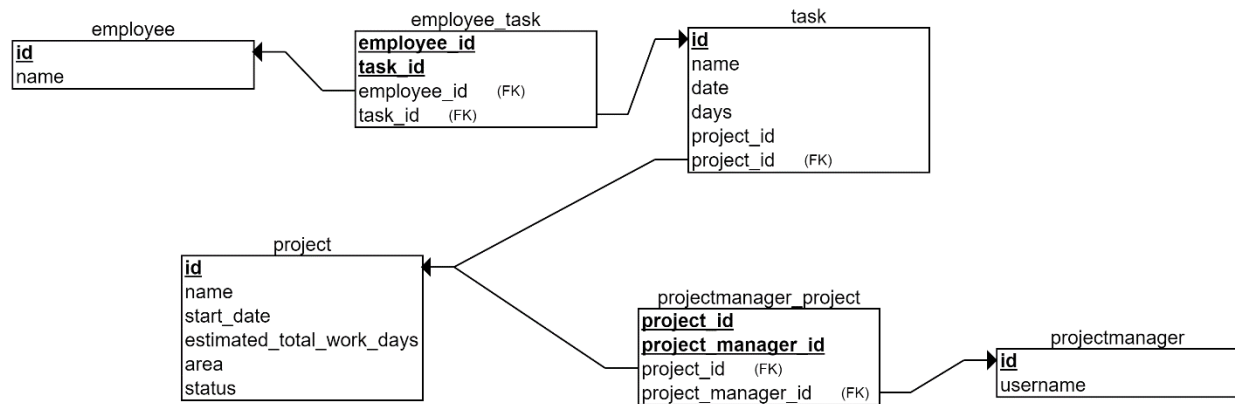
Windows Taskbar: 20:36 07-May-18

## E-R diagram

Employee ----N<has task>N -----task

task-----N<in-project>1-----project

Project manager -----N<has project>N-----project



### ADMINS IN THE SYSTEM:

username-password:

admin – pass1234

admin2- pass12345

### PROJECT MANAGERS IN THE SYSTEM:

username-password:

projectmanager1-gizli

projectmanager2-cokgizli

projectmanager3-gormesinler

**Note:** Employees' login are done through the account "employee" whose pass is 12345678 and this is done inside php files.

### Conclusion

I think this project was very long and challenging. However, I learned a lot: php ,sql ,use of forms ,get and post etc. Thanks for the project.