Introductory Project Document for MyCRM

Introduction

MyCRM is the third project I delivered during my internship. This document aims to give an understanding of MyCRM to my responsibles in İzmir University of Economics and to my place of internship, Unipa. Entire work belongs to me and done for Unipa.

MyCRM is a CRM application which serves for four types of users: Employee, Client, Admin and DepartmentManager.

Employee’s can work on tasks, update and close them.

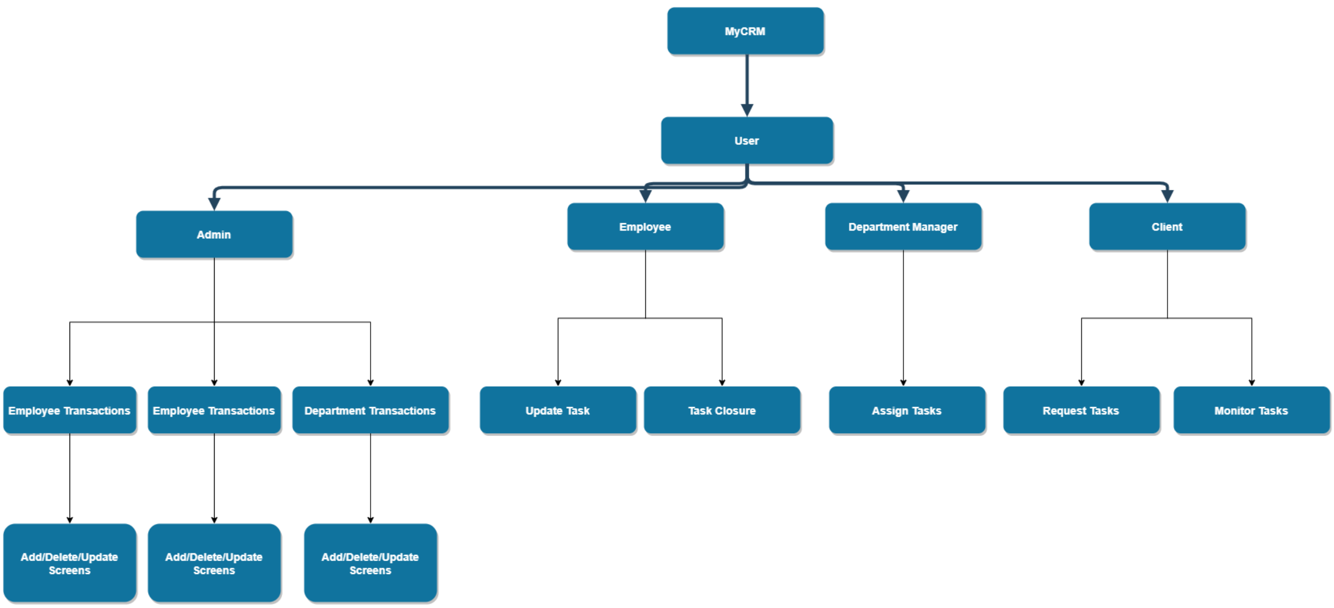
Client’s can request and monitor tasks.

Department Manager’s can assign tasks to the Employee’s

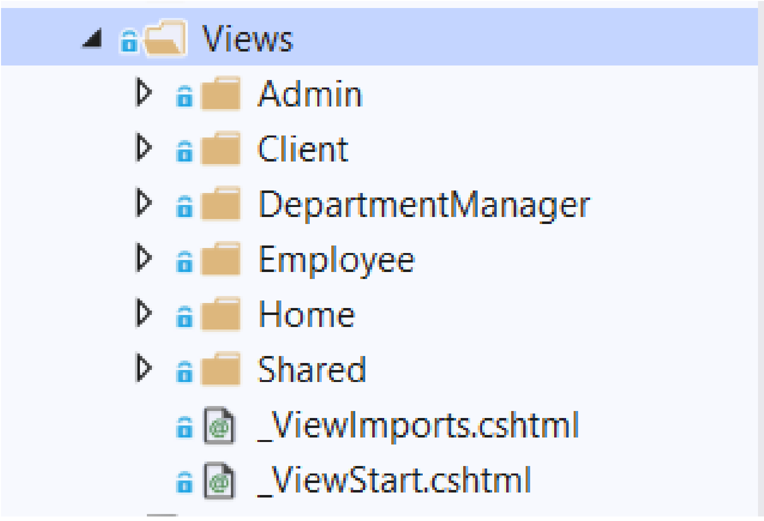
Admins can Add/Delete/Update Employee’s, Departments and DepartmentManager’s

Check the source codes : https://github.com/solidbaki/Unipa.MyCRMApp.Project3

GUI Hierarchy



Screenshots and folder structure of views



Below screenshots belong to the Admin

Admin Panel

Welcome to admin panel. All admin functionalities can be reached from here

Department Transactions | Employee Transactions | Manager Transactions

Admin Panel - Department Section

Welcome to the departments panel. You can add, delete or modify departments here

Add Department | Delete Department | Modify Department

Add New Department

Department Name

Enter department name

Department Manager

Enter department manager

Submit

Delete Department

Delete Existing Department

Department Name

Enter department name

Delete

Update Department

Update a department by it's name

Current Department Name

Enter current department name

New Department Name

Enter current department name

Update

Admin Panel - Employees Section

Welcome to the employees panel. You can make employee transactions here.

Modify Employee

Change Employee's Department

Change employee's department by his/her ID

Employee's ID

Enter employee ID

Modify

Admin Panel - Managers Section

Welcome to the managers panel. You can add, delete or modify manager informations here

Add Manager Delete Manager Modify Manager

Add New Manager

Manager Name

Enter manager's name

Manager's Department

Enter manager's department

Submit

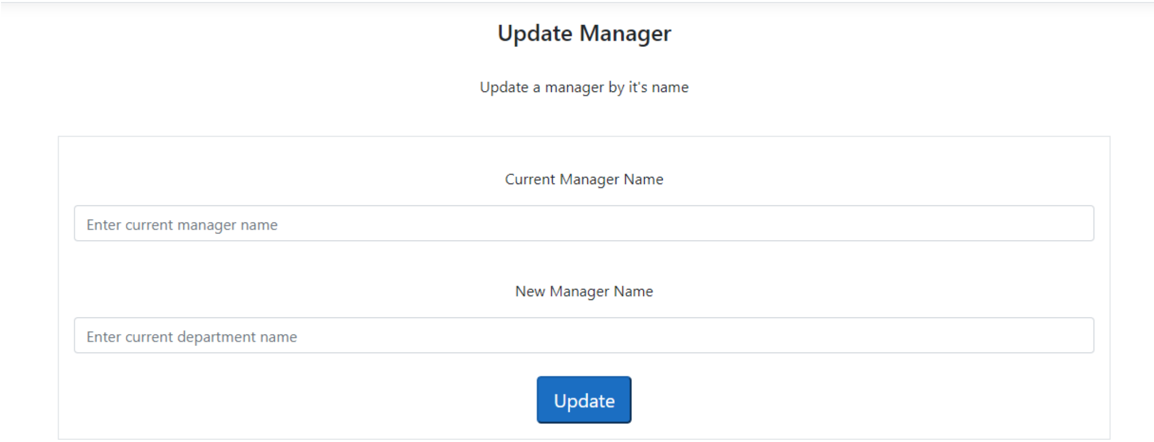
Delete Manager

Delete existing manager from the system

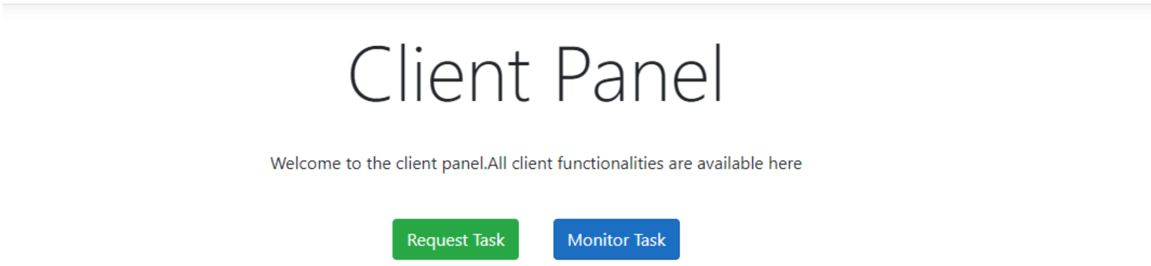
Manager Name

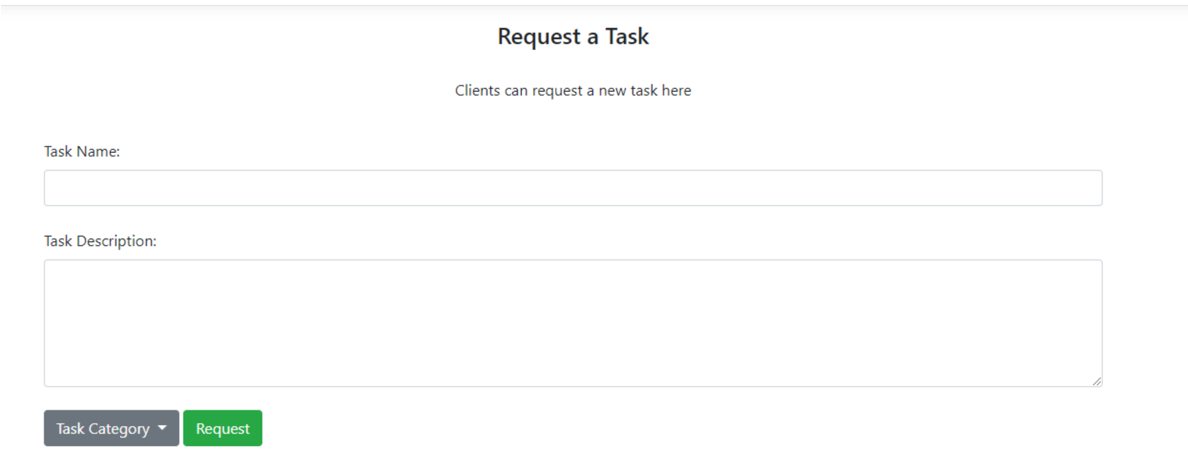
Enter manager name

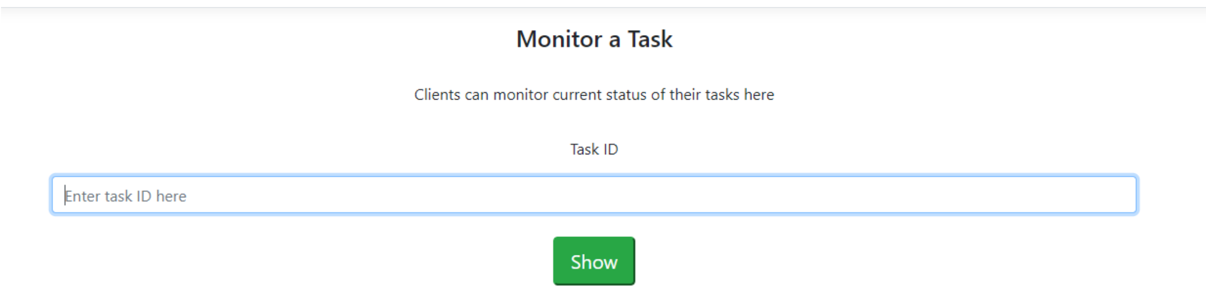
Delete



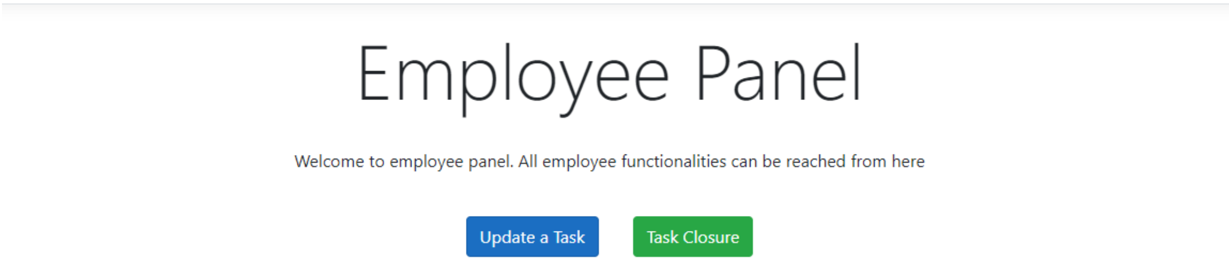
Below screenshots belong to Client

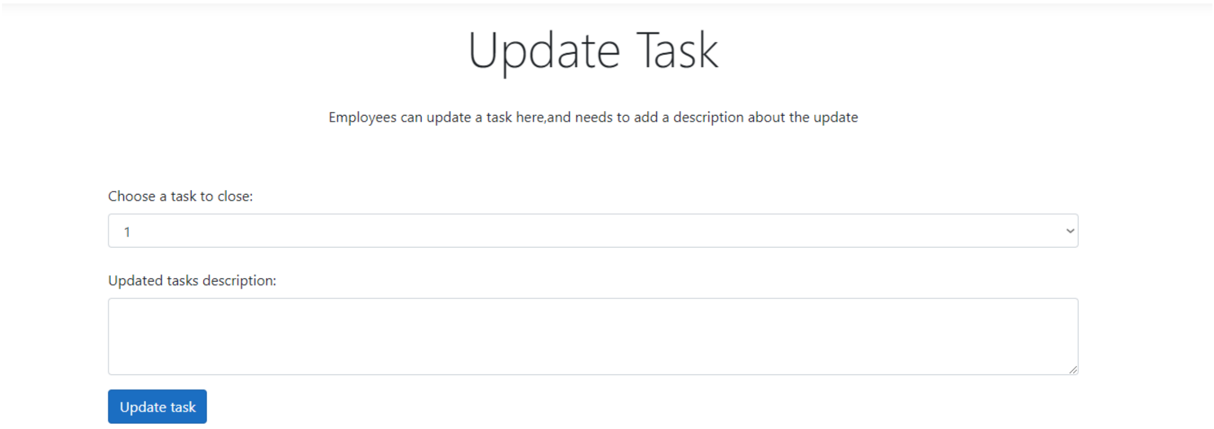


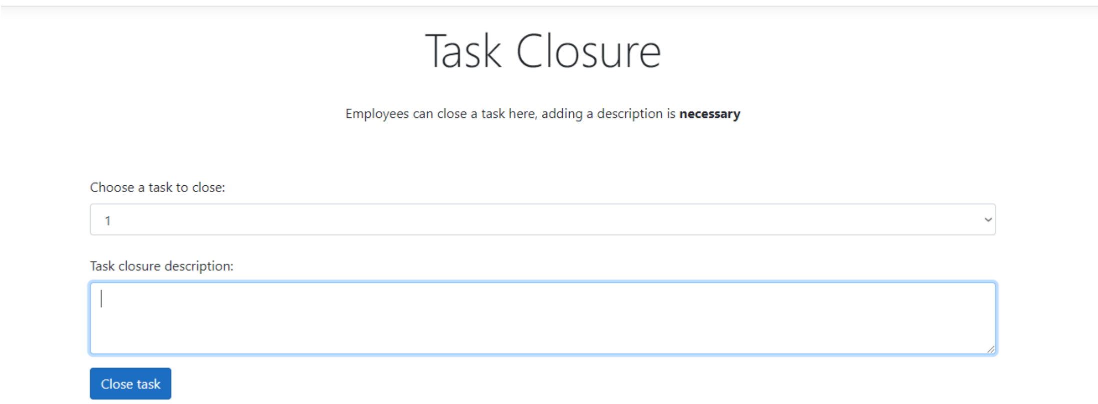




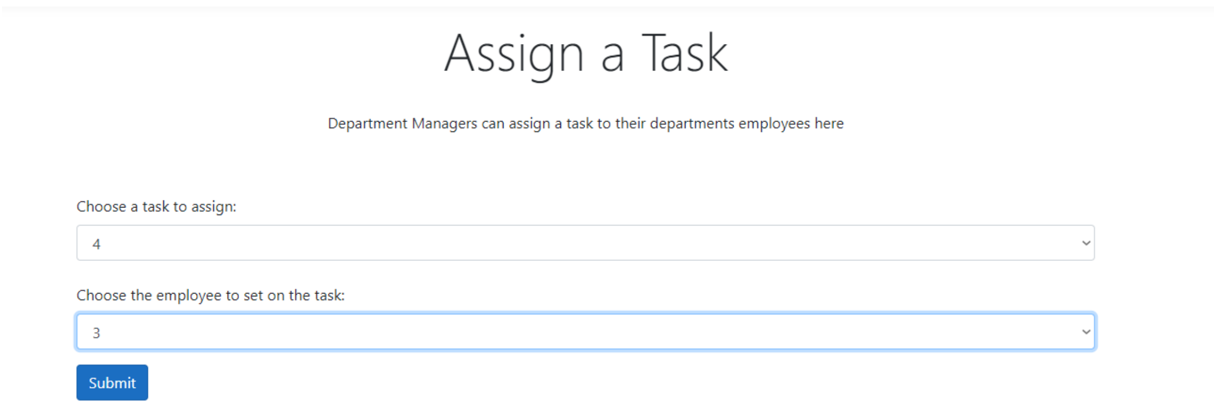
Below screenshots belong to Employee

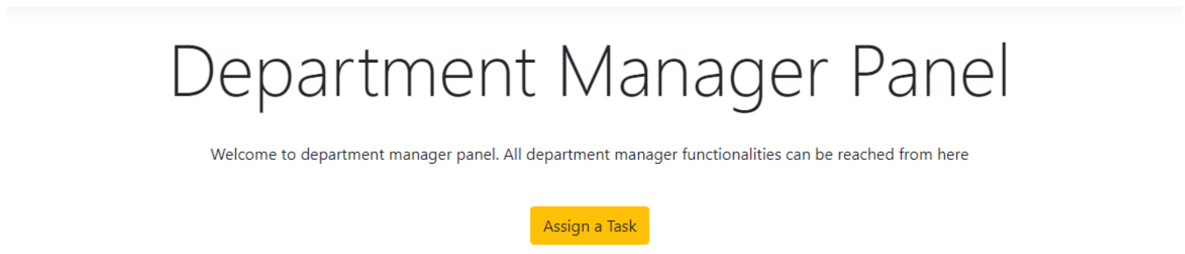






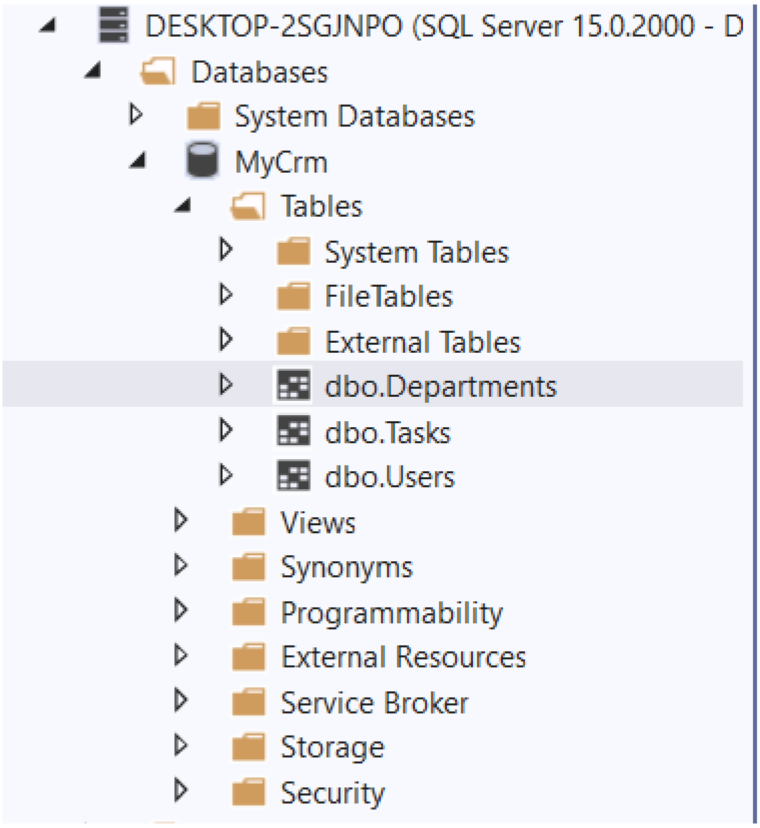
Below screenshots belong to the DepartmentManager





Database Design

MyCRM system has three database tables for Departments, Users and Tasks. Below are the screenshots of the structure of tables and folder structure of database.



	Name	Data Type	Allow Nulls	Default
🔑	DepartmentId	int	☐	
	DepartmentName	varchar(50)	☐	
	DepartmentManager	varchar(50)	☐	
			☐	

Name	Data Type	Allow Nulls	Default
UserId	int	☐	
FullName	varchar(50)	☐	
Authentication	tinyint	☐	
Tasks	varchar(250)	☑	
		☐	

Name	Data Type	Allow Nulls	Default
TaskId	int	☐	
TaskName	nchar(10)	☐	
TaskDescription	nchar(10)	☐	
IsClosed	bit	☐	((0))
Updates	varchar(MAX)	☑	
TaskDepartment	varchar(50)	☐	
		☐	

What’s Next?

1. User authentication is necessary and should be added on later versions
2. Employee and department manager views needs to should work properly
3. Unit testing would be helpful to detect current defects in the system.
4. Project can be configured to web on later versions

Conclusion

To conclude, I could come up with a CRM system using .Net Core MVC Framework, even though there are some missing functionalities/requirements due to lack of time. I learnt quite much about web developing particularly Bootstrap, jQuery and .Net Core MVC.