**BuDi Project**  
  
The goal of this project is to provide an employee portal that offers a single platform for processing tickets, scheduling tasks and record the attendance for the employees.

Main Models for the project:

1-Employee

2-Department

3-MyTask

4-Ticket

5-ClockEvent

Project Flow:

Managers in this system will be created in the employee model as a Boolean option IsManager, and an admin user will be needed as a super admin that have access to all controllers and functions without any limitation.

Manager will create employees with all the needed information, after this employee can login to the portal using his username & password, normal employees don’t have access for the employee creation function.

Employees will have access to request password recovery, and can change their picture and phone number only.

Employee will be greeted with a welcoming massage including his name, and the main page will show total tickets that has raised by his department, and how many are pending and total solved for his team with a chart showing his personal solving for the tickets. (each department will show different numbers since the total assigned tickets for each team will be different).

Employee will have the option to raise a ticket, he can assign the ticket to his team members, in the “Assigned To" it will show a drop down list for all of the employees in the same department and it will show employee name and small picture of the employee, and if the ticket should be assigned to an employee outside of his department, the ticket will be redirected to that team manager, as the “Assigned To" option will also include all of the managers of other teams, and when the manager of that team receive the ticket he can assign it to his team members.

For the “Raised By” it will automatically record the current employee ID and add it to the ticket without the need to fill it by hand, and also will include employee name and his picture like the “Assigned To".

Each employee will have a tap to view the assigned tickets under his name, and he can only change the ticket status, “only managers will have the option to change the assigned employee, and other information remain unchanged and can’t be edited.

For the attached file in ticket, it will have a download option to download the attachment.

For MyTask model:

Only Managers will have the option to create a task to be assigned to employees from the same department only, as each manager will be responsible for the tasks of his department only, for the “Raised By” and “Assigned To” will have the same drop down list as Ticket, including employee name & picture.

Employees will have access to view the task details and only can change the status of the task, for the attachment they will have the option to download the attachment.

Each of the employees and managers will have a notification bill icon that will notify them whenever a task or ticket has been assigned to them.

Also the notification will work if the ticket or task status has been changed to notify the employee who raised the ticket or task that the issue has been solved and so forth.

For the ClockEvent model:

When the employee logs in to the system it will capture the employee ID and record the time in the enum property clock-in inside the clockevent model, and it will record when the employee log out from the system and record employee id and the time in the enum property clock-out.

This will work on both employee and managers alike.

Managers will have the option to get a report for the employees in his department

And save it as excel file or csv.