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عنوان پروژہ - سیستم مدیریت وظایف (Management System Task)
 این سیستم به تم ها و افراد کمک میکند تا وظایف خودشان را به صورت سازمان یافته مدیریت کنند، وظایف را به کاربران مختلف اختصاص بدهد، اولویت ها را تعیین کنند و وضعیت انجام وظایف را پیگیری کنند.

مراحل انجام پروژہ -
 ۱- شناسایی نیازمندی ها ۲- تحلیل نیازمندی ها ۳- طراحی سیستم
 ۴- UML ۵- پیاده سازی سیستم با ASP.NET Core

نمودار مورد کاربرد -

(Use case Diagram)

Start

Left to right direction

actor projectManager

actor User

rectangle TaskManagementsystem {

Use case "create Project" as createProject

Use case "create Task" as createTask

Use case "Assign Task" as AssignTask

Use case "change ~~stat~~ status" as change status

Use case "view Reports" as viewReports

Use case "view Assigned Tasks" as viewAssignedTasks

Use case "Add Note" as AddNote

Use case "submit Report" as submitReport

}

Subject:

Year.

Month.

Date.

Sa	Su	Mo	Tu	We	Th	Fr
----	----	----	----	----	----	----

ProjectManager--creatProject

ProjectManager--creatTask

ProjectManager--AssignTask

ProjectManager--changeStatus

ProjectManager--viewReports

User--viewAssignedTasks

User--AddNote

User--submitReport

end

فوائد كلاس

start

```
class Project {
```

```
    projectId: int
```

```
    name: string
```

```
    description: string
```

```
    startDate: DateTime
```

```
    project(projectId: int, name: string, description:
```

```
        string, startDate: DateTime, endDate: DateTime)
```

```
    GetProjectId(): int
```

```
    GetName(): string
```

```
}
```

```
class Task {
```

```
    TaskId: int
```

```
    Project: Project
```

```
    Title: string
```

```
    Description: string
```

```
    Priority: Priority
```

```
    Status: status
```

```
    AssignedUser: User
```

```
    DueDate: DateTime
```

```
    Task(TaskId: int, Project:
```

```
    GetTaskId(): int
```

```
    GetTitle(): string
```

```
}
```

```
enum Priority {
```

```
    High
```

```
    Medium
```

```
    Low
```

```
}
```

```
enum status {
```

```
    To Do
```

```
    In Progress
```

```
    Completed
```

```
    Cancelled
```

```
}
```


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```
class User {
    userId: int
    Username: string
    Email: string
    PasswordHash: string
    GetUserId(): int
    GetUsername(): string
}

class Note {
    NoteId: int
    Task: Task
    Task Text: string
    CreatedDate: DateTime
    GetNoteId(): int
    GetText(): string
}

Project "1" -- "*" Task: Has
Task "1" -- "1" Priority: Has
Task "1" -- status: Has
Task "1" -- "1" status User: Assigned To User
Task "1" -- "*" Note: Has
end
```