**Roll Off Form**

**We will have to accomplish the following items in our Controller implementation:**

1. Each controller exposes a set of **REST/ JSON** endpoints for accessing business capabilities
2. Each controller implements certain business functions using **Dot Net Framework.**
3. Each controller stores its own persistent data using **SQL Server database**.
4. Each controller must implement best practices such as, Exception Handling, Repository Pattern, DTO (Data Transfer Object), Code Analysis and build tools.
5. Controller are built with Dot Net Framework, which has an embedded **IIS server.**
6. The UI, Website must be implemented using **Angular.**

**You are also supposed to implement necessary design patterns mentioned in the table below:-**

|  |  |
| --- | --- |
| **Design Pattern** | **Design Pattern Summary** |
| Repository Pattern | Repository acts as an **Additional Layer** between the Models and Controller. Repository connects with models using Dependency Injection (DI) and the sends the data to Controller. |
| DTO | DTO acts as a **Security Layer**. DTO is an object that carries data between processes, i.e instead of directly connecting with Model we will connect through DTO. |

## Requirement

**Scenario:**

1. In today’s scenario we are seeing that if a manager needs to request a Roll Off he or she needs to communicate through emails manually.
2. Because of this manual process, it has become very complex process and has become very difficult manage the Roll Offs.
3. In case Manager wants to Roll Off any Employee from a particular project then Manager needs to communicate with Admin and in rare cases even with the Super Admin through Emails.
4. In some situation Admin or Super Admin may not be available, this can lead to delay in Roll Off or can hold on to the process.
5. For Overcoming this Scenario this application will lend a hand.

**Solution:**

Developing a platform (API) which will make communication easier between Manager and Admin/Super Admin.

This Application will reduce the communication through email exchange. The App should act as a bridge between the account, PSP and the super admin. User need to login to access the application for rolloff. There is no need for the account team to send the request to higher authority through Excel sheet, check details of specific resource one by one. Whenever there is request for rolloff an employee from manager to Account Team, they just fill the form and send it to PSP team(Admin). Then Admin will check reasons for rolloff if notice period is more than 30 days it will directly rolled off by admin team. If there is scenario of notice period is less than 30 days it will redirect to super admin(Ops Manager) for approval or rejection of rolloff. And revert this back to account team.

**Features**

**For Admin: -**

**Sign up/Login:**  
Sign up with basic details. A user can login using Email .

**Profile:**

Admin can view and initiate the Roll Off Process.

**Search:**

**Employee will be Searched either by using Global ID, Name or Email.**

**Dashboard:**

Details of all Employees will be Displayed on the Dashboard.

**Roll Off & Feedback Form:**

Admin will fill the Reasons for Roll Off in Roll Off Form and then the Feedback form will be filled.

**Admin Panel:**

**User Management:**It includes below modules:

Admin:   
- View profile    
- Initiate the Roll Off Process