**Rolloff**

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

1.Supply Data should be stored in database using Microsoft SQL Server Management system.

2.UI/Frontend must be done in Angular.

3. Backend Should be implemented in .Net Web API.

4.Each field implements certain business functions in .Net Framework.

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

|  |  |  |
| --- | --- | --- |
| **Design Pattern** | **Design Pattern Summary** | **Demos/Examples** |
| Repository pattern | Repository Pattern is used for making application loosely coupled. |  |
| DTO | It is used to Display only required information. |  |

**NOTE: - In the features below, there is *“hint”* which tells you the design pattern that you are supposed to use to implement the functionality.**

## Requirement

**Scenario:**

Till now rolloff of the employees used by manually sending the mail of each and every employee who is getting rolled off. Later, the data was sent to account team to send the request to higher authority through **Excel sheet** which was an hectic task. The higher authority used to check the Excel sheet manually to approve or reject the rolloff. Again the approval or rejection is sent back to the account team for data collection and account team revert the mail to employee.

**Solution:**

Develop a platform (web application) which helps the organization to Rolloff a employee from Project.

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(shrikant) for approval or rejection of rolloff. And revert this back to account team.

**Features**

**For Account team: -**

**Sign up/Login:**  
Sign up with basic details. Account team can login using Email.

**Employees details:**

Account team can search the employee to be rolled off from details of employees.

**Rolloff form:**  
Account team can view and fill rolloff form and also feedback form.

**For Admin: -**

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

**Started:**

The day on which the request is issued.

**Approved:**

It will show the status of rolloff is approved or not.

**Pending:**

It will show the status of rolloff is not completed yet.

**Super Admin :**

Super admin will check and give approval for rolloff on the condition of notice period less than 30 days.

**Report Management:**  
Admin can filter and generate reports based on order number, type, and date.