

## ***Employee Attendance System***

### ***Use Case 1: Create Admin Account***

If there is no user in the system then the Attendance System will allow to create the admin account. There will be only one admin in the system. Role will automatically be set to Admin.

User information needed to fill is as follows:

1. Employee Id
2. First Name
3. Last Name
4. Designation
5. Address
6. Phone Number
7. Email
8. PIN

### ***Use Case 2: Register Member***

Admin can register members. There will be a page where the admin can see the existing members. There will be a “Add Member” button which will take the user to create a member. Role will automatically be set to Member.

User information needed to fill is as follows

1. Employee Id
2. First Name
3. Last Name
4. Designation
5. Address
6. Phone Number
7. Email
8. PIN

### ***Use Case 3: Time Tracking***

Orbitax has 3 suites. Each suite has a door with access control. To open the door from outside or from inside each employee has to enter their Employee Id and PIN number to open the door.

If the Id and PIN entered in from the outside then it will be registered as entry and if it's opened from the inside then it will be registered as exit. Here is the information that needs to be captured.

1. Employee Id (Input)
2. Suite Number
3. Time of Access (Captured by the device)
4. Entry/Exit (Entry or exit will be captured automatically based on where the member is)

### ***Use Case 4: Monthly Time Tracking Report***

Admin will be able to see monthly reports on time tracking. Here is the information we need to show in the report.

1. Employee Id
2. First Name
3. Last Name
4. Entry Time (First entry in any suite)
5. Exit Time (Last exit in any suite)
6. Time of Stay within the office: Sum of time stay in any suite.

### ***Instructions:***

1. *This project, you must submit as a **REST API**.*
2. *You must choose **Angular** for front-end and **mongoDB** for databases.*
3. *You can choose Server language/framework any one of the (**DotNetCore/Python/GO**) .*
4. *Using any kind of **OOP and Design Pattern** will count as bonus points.*
5. *Using **unit tests** will count as bonus points.*
6. *Don't waste your time furnishing your UI. We will only focus operational.*
7. *You can add a **README** file for explanation of your project.*
8. *Please submit your project using the following format:*  
**YourFullName\_ServerLanguage.zip**  
**Example: RakibulAlam\_Python.zip**
9. *The Project submission deadline will expire **5.00 PM 19th December, 2021**.*
10. *Email the project : [careers@orbitax.com](mailto:careers@orbitax.com) and if we receive your mail, you will get an Acknowledgement.*