**AntonX World Backend**

**Introduction:**

AntonX World Backend is admin dashboard application developed by AntonX private limited (Dev. team) for personal use. The main idea is to automate the manual system of office management. This application will manage employees data, attendances, monthly attendances report, featured users, antonx café, antonx library, in-house and out-house activates such as Events, table tennis game and social activates. Also have library and café facilities for the in-house employees.

**Overview:**

AntonX World Backend is developed for to automate the office management daily activates. This application will manage all the information about the company, employees and their work, designation, attendances and their monthly reports.

**The following modules are integrated in AntonX World Backend:**

* **User:**
  + User information:
  + ATN Number
    - This ATN Number will be providing by the company to each User/ employee.
  + Name
  + Role
  + Designation
  + Job type
  + Contact
  + Email
  + Addresses
  + Blood group
  + Date of birth
  + Image
  + Joining date
  + Salary
    - Salary details
  + Café bill
    - If someone want to buy something from in=house café he/she will have two options either he/she have to pay cash or pay later, if he/she choose to pay later then the café bill will deduct from his/her salary.
* **User Roles:**
  + Each user have role (permission) by which he/she have the controlled right to access information
  + There are three (3) main type of roles
    1. Super Admin
    2. Admin
    3. User
* **User Designation**
  + All the User will have at least one designation. IF he/she get promoted example( Jr. software engineer to Associate Software Engineer ) then the old designation will be stored against user record with timestamp and he/she or admin will have to add information about his/her new designation in company.
  + There are some default designation which we have included it in Designation seeder and this data can be change according the company policy. This list is dynamic data can be add, update and delete from it.
    1. Administrator
    2. CEO
    3. CTO (Tech Lead)
    4. Project Manager
    5. Associate Software Engineer
  + And can be add more by admin.
* **Attendances**

Admin can generate monthly attendance report which will include all check-in and check-out of users and will also have the expected working hours and worked hour.

Each User will have daily Attendance record which include:

* User id
* Date
* Check in time
* Check out time
* Day
* Month
* Total logged hours
* Attendance status = ( 1 or 0 )
  + 1. (Incase he/she did not manage to come to the office he/she will be marks absent for that day )
* **Featured Users:**
  + Featured user will be added by Super admin or admin;
  + User id
  + Title
  + Description
  + Date (or month for which he/she is featured )
  + Expire Date
* **Events:**
  + This section will have all the information about coming IT and non-IT related events at AntonX.
  + Events information:
* Title
* Date
* Time
* Location
* Description
* **AntonX Library**
  + **Books**
    - There will be two type of book
      1. Hard Copy
      2. Soft Copay
         * Selecting soft copy from the book type menu then the admin will have to upload a soft copy book file along with all the other necessary information.
  + **Book categories**
    - Book categories will have all the categories related to books.
    - Books and Categories have many to many relation.
  + **Book borrowed**
    - A user can request from his/her mobile for borrowing book from the AntonX Library.
    - Admin have the right to accept or reject or close the request about borrowing a book.
  + **Add Book Request**
    - A user can also add a request to admin to add new book to the library.
    - User will have to provide some information about the book.
    - Admin have the right to accept or reject or close the request about adding new book to the library.
* **AntonX Café**
  + **Café Items**
    - Café item will store details about the current available items and items stock.
    - Item Name
    - Item price
    - item size
    - Stock:
      * It will also manage stock
        1. Increase Stock on adding the same item
        2. Decrease Stock on buying item
  + **Café Items Brand Name**
    - This section will only store the Brand name for café items
    - Example: Pepsi, Dew, Coca Cola etc…
  + **Cate Items Purchased History**
    - When a user want to buy an item from café all the details about the buyer and an item will be stored in the café item purchased history.
    - There will be two option for a user about payment:
      1. Pay cash
         * If he/she want pay cash then he/she will have to put the price money in the jar near to café.
      2. Pay later
         * If he/she select to pay later then he/she will have don’t have pay now the price amount will be store and then will deduct from his/her monthly salary at the end of the month.
  + **Add New Café Item Request**
    - A user can also request to admin to add this new item to cafe.
    - User will have to provide some information about the item.
    - Admin have the right to accept or reject or close the request about adding this item to AntonX Café.
* **Leader-Board Display Page**
  + Public Leaderboard is a view which will be displayed on a screen in the office
  + This view/screen will have QR code for check-in and check-out
  + This QR code will changing its access key after every 30 minutes.
  + A user will have to scan this QR code and he/she will be checked –in
  + And if he/she is already checked-in then the system will checked-out the user.
  + This view will also show the record of all users attendances from of the last 30 days
  + And will show it with the current trend (Streak).
  + A user with High Streak will be show on top and so on.
  + This view will also show the details about the current Featured users.