SmartCity

1. Project Profile

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| **Project Title:**  **Project Definition:** | Smart city  Excessive food listing portal for avoiding food wastage. People can list the availability of excessive food on the website or mobile app. Needed people or organizations can log into the application or website to get the food for old age homes, orphanages or needy ones. |
| **Project Members:** | Nancy Kapadia  Nidhi Mehta |

* **Technical Details :**

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| **Front End** | : ReactJS |
| **Back End** | : NodeJS |
| **Database** | : MongoDB |

Database Design

1.Role Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| RoleId | Integer | Primary key | Auto  increment | Id of Role |
| Name | String | - | - | Role name |
| isDeleted | Boolean | - | - | Role status for activation |
| Created At | Date | - | - | Creation date of role |
| Updated At | Date | - | - | Last modification date of role |

2.User Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| UserId | Integer | Primary key | Auto  increment | Id of User |
| Name | String | - | - | Name Of the user |
| UserName | String | - | - | UserName of User |
| Email | String | - | - | Unique Email of user |
| Password | String | - | - | hashed password of user |
| Phone Number | String | - | - | Phone number of user |
| Address | String | - | - | Address Of user |
| LandmarkId | Integer | Foreign key | - | Area of the user |
| Pincode | Integer | - | - | Pincode of the user area |
| Role\_id | Integer | Foreign Key | - | Role of the user |
| isDeleted | Boolean | - | - | User status for activation |
| Created At | Date | - | - | Creation date of user |
| Updated At | Date | - | - | Last modification date of user |

3. Volunteer\_Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| VolunteerId | Integer | Primary key | Auto  increment | Id of Volunteer |
| UserId | String | Foreign key | - | Reference of userid |
| DOB | Date | - | - | Birthdate of volunteer |
| Gender | String | - | - | Gender of volunteer |
| Profession | String | - | - | Profession of volunteer |
| skillset | String | - | - | Extra skills of volunteer |
| weekdays | String | - | - | When volunteer is free  (morning,afternoon,evening,night) |
| weekends | String | - | - | Available timeslot for volunteer |
| Vehicle Mode | String | - | - | Type of vehicle volunteer have |
| isDeleted | Boolean | - | - | Volunteer status for activation |
| Created At | Date | - | - | Creation date of Volunteer |
| Updated At | Date | - | - | Last modification date of Volunteer |

4. Reciever Category Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| Recevier CategoryId | Integer | Primary key | Auto  increment | Id of Receiver category |
| Recevier Category Name | String | - | - | Receiver category name  (old aged home,orphnage,goverment school/hospital,slums,homeless,bio-gas plant) |
| isDeleted | Boolean | - | - | Receiver category status for activation |
| Created At | Date | - | - | Creation date of Receiver category |
| Updated At | Date | - | - | Last modification date of Receiver category |

5. Receiver Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| Recevier Id | Integer | Primary key | Auto  increment | Id of Receiver |
| Recevier Category Id | Integer | Foreign key | - | Receiver category id |
| UserId | Integer | Foreign key | - | Refereces to user |
| Population | Integer | - | - | Number of plates require |
| isDeleted | Boolean | - | - | Receiver category status for activation |
| Created At | Date | - | - | Creation date of Receiver category |
| Updated At | Date | - | - | Last modification date of Receiver category |

6. Food\_Listing\_Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| FoodListingId | Integer | Primary key | Auto  increment | Id of Foodlisting |
| Date | Date | - | - | Date of food listing |
| Time | String | - | - | Time Slot of food listing(morning,night,..) |
| DonorId | Integer | Foreign key | - | Refrences of Donor |
| Event | String | - | - | Event name |
| Receiver Id | Integer | Foreign key | - | Refrences to receiver |
| Plates | Integer | - | - | Number of plates donated |
| isDeleted | Boolean | - | - | Food Listing status for activation |
| Created At | Date | - | - | Creation date of food listing |
| Updated At | Date | - | - | Last modification date of food listing |

7. Food\_Delivery\_Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| FoodDeliveryId | Integer | Primary key | Auto  increment | Id of Food delivery |
| FoodListingId | Integer | Foreign key | - | References to food listing id |
| VolunteerId | Integer | Foreign key | - | Id of volunteer |
| Status | String | - | - | Delivery status of food listing |
| isDeleted | Boolean | - | - | Food delivery status for activation |
| Created At | Date | - | - | Creation date of food delivery |
| Updated At | Date | - | - | Last modification date of food delivery |

8. Food\_Request \_Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| FoodRequestId | Integer | Primary key | Auto  increment | Id of Food Request |
| Date | Date | - | - | Date of food Request |
| Time | String | - | - | Time Slot of food Request(morning,night,..) |
| Receiver Id | Integer | Foreign key | - | Refrences to receiver |
| Plates | Integer | - | - | Number of plates Requested |
| isDeleted | Boolean | - | - | Food request status for activation |
| Created At | Date | - | - | Creation date of food request |
| Updated At | Date | - | - | Last modification date of food request |

9. Donation\_Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| DonationId | Integer | Primary key | Auto  increment | Id of Donation |
| Date | Date | - | - | Date of Donation |
| Amount | Integer | - | - | Total amount of donation |
| Receiver Id | Integer | Foreign key | - | Refrences to receiver |
| isDeleted | Boolean | - | - | Donation status for activation |
| Created At | Date | - | - | Creation date of Donation |
| Updated At | Date | - | - | Last modification date of Donation |

10. Charity\_Event\_Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| CharityEventId | Integer | Primary key | Auto  increment | Id of Event |
| Charity Title | String | - | - | Charity event name |
| Date | Date | - | - | Date of event |
| Time | Timestamp | - | - | Time of event |
| location | String | - | - | Event location |
| Purpose | String | - | - | Event Purpose |
| Description | String | - | - | Details about event |
| Banner | String | - | - | Poster/banner of event |
| ReceivedFunds | Integer | - | - | Amount receive through charity event |
| isDeleted | Boolean | - | - | Event status for activation |
| Created At | Date | - | - | Creation date of event |
| Updated At | Date | - | - | Last modification date of event |

11. Landmark\_Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| LandmarkId | Integer | Primary key | Auto  increment | Id of area |
| Name | String | - | - | Name of landmark |
| Pincode | Integer | - | - | Pincode of landmark |
| Latitude | Decimal | - | - | Latitude of landmark |
| Longitude | Decimal | - | - | Longitude of landmark |
| isDeleted | Boolean | - | - | area status for activation |
| Created At | Date | - | - | Creation date of area |
| Updated At | Date | - | - | Last modification date of area |

12. Landmark\_Manager\_Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| LandmarkManagerId | Integer | Primary key | Auto  increment | Id of landmark manager |
| VolunteerId | Integer | Foreign key | - | Id of volunteer |
| landmarked | Integer | Foreign key | - | Id of area |
| isDeleted | Boolean | - | - | area status for activation |
| Created At | Date | - | - | Creation date of area |
| Updated At | Date | - | - | Last modification date of area |