**Entity Modelling in Pantry**

**1. Sally Owner :**

This contains all the personal info of a Sally Owner and his owned Sally devices

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| --- | --- | --- | --- |
| S. No. | Field | Field Type | Description |
| 1. | First Name | String |  |
| 2. | Last Name | String |  |
| 3. | Email | String |  |
| 4. | Gender | String | (male / female) |
| 5. | DOB | Date |  |
| 6. | Location | GeoLocation |  |
| 7. | Sally Machines | List<Sally> | Sally machines owned by him |

**2. End User :**

This contains all personal info of an end user and his customized salads and favourite salads

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| --- | --- | --- | --- |
| S. No. | Field | Field Type | Description |
| 1. | First Name | String |  |
| 2. | Last Name | String |  |
| 3. | Email | String |  |
| 4. | Gender | String | (male / female) |
| 5. | DOB | Date |  |
| 6. | Location | GeoLocation |  |
| 7. | Custom Salads | List<String> | Salad recipes saved by the user |
| 8. | Favourite Salads | List<Salad> | Favourite salads of user. This can consist of any predefined salads or any custom salads |

**3. Sally:**

This contains information about a Sally machine like the salads and ingredients it can service

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| --- | --- | --- | --- |
| S. No. | Field | Field Type | Description |
| 1. | Id | String | Unique id of Sally |
| 2. | Name | String |  |
| 3. | Location | GeoLocation |  |
| 4. | Salads | List<String> | List ids of salads served by Sally |
| 5. | Ingredients | List<String> | List ids of ingredients served by Sally |
| 6. | Status | String | Available/unavailable |
| 7. | Owner | String | Id of the owner |

**4. Order:**

This contains information about an order like id of the user , id of Sally and item ordered

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| --- | --- | --- | --- |
| S. No. | Field | Field Type | Description |
| 1. | Order Id | String | Unique id for the order |
| 2. | Sally Id | String | Identifier of Sally to which this order request goes to. This is obtained by the scanned QR code by user at Sally's location. |
| 3. | User Id | String | Id of the user ordered |
| 4. | Ordered Item | String | Id of the ordered salad |
| 5. | Placed Time | DateTime | Time of the order |

**5. Salad:**

Contains information about a particular salad like name, image, creator, portions

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| --- | --- | --- | --- |
| S. No. | Field | Field Type | Description |
| 1. | Name | String |  |
| 2. | Image | String | Has url for the image |
| 3. | Portions | List<String> | This contains portion ids which has ingredient, it's size and calories |
| 4. | CustomSalad | Boolean | Whether it's created by user |
| 5. | CreatedBy | String | Username of the user who created. If it's not a custom salad, value is “admin” |

**6. Ingredient:**

Contains information about a particular ingredient like name, image and category

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| --- | --- | --- | --- |
| S. No. | Field | Field Type | Description |
| 1. | Name | String |  |
| 2. | Image | String | Has url for the image |
| 3. | Category | String | Should be out of the categories like greens, meat, vegetables, toppings and dressings |

**7. Portion:**

Contains information of ingredient, size of the ingredient and calories of the ingredient for the size

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | Field | Field Type | Description |
| 1. | Name | String |  |
| 2. | Ingredient | String | Id of ingredient |
| 3. | Size | String | Id of size |

**8. Size:**

Available Sizes of all the ingredients

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| --- | --- | --- | --- |
| S. No. | Field | Field Type | Description |
| 1. | Size | String | Size name eg: small, regular, large |