**Data Dictionaries**

**Description data dictionary**

|  |  |  |  |
| --- | --- | --- | --- |
| **Entity name** | **Description** | **Aliases** | **Occurrence** |
| VirtualFridge | Store the food items of the user | Fridge | Virtual fridge page – each user has a virtual fridge |
| FoodItem | Describe details regarding an item of food | Food, product, item | In the virtual fridge, in a recipe |
| User | Store login details of the person using the application | Customer | Throughout the application - to use the application a ‘User’ must be defined |
| Profile | Store general details of a user |  | Profile page |
| Recipe | Describe and store recipes | Meal | Recipes page, profile page, virtual fridge page |
| SavedRecipe | Store recipes saved by the user |  | Profile page |
| Comment | Hold comments made by users regarding a recipe |  | Recipes page |

**Relationships data dictionary**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Entity name** | **Multiplicity** | **Relationship** | **Multiplicity** | **Entity name** |
| VirtualFridge | 1..\* | Stores | 0..\* | FoodItem |
| User | 1..\* | Has | 1..1 | VirtualFridge |
| User | 1..\* | Has | 1..1 | Profile |
| User | 0..\* | Makes | 0..\* | Comment |
| Recipe | 1..\* | Contains | 1..\* | FoodItem |

**Attributes data dictionary**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Entity name** | **Attributes** | **Data type and length** | **Description** | **Nulls** |
| VirtualFridge | **fridgeID (PK)**  quantity | int  int | Uniquely identify a virtual fridge  Quantity of a food item | No  No  No |
| FoodItem | **foodID (PK)**  name  calories  image | int  varchar(50)  int  // | Uniquely identify a food item  Name of the food  Number of calories of the food  Image of the food | No  No  Yes  Yes |
| User | **username (PK)**  fName  lName  password (encrypted)  email | varchar(20)  varchar(30)  varchar(30)  varchar(50) | Uniquely identify a user  Users first name  Users last name  Users password (encrypted)  Users email | No  No  No  No  Yes |
| Profile | **profileID (PK)**  followersCount  publishedRecipesCount | Int  int  int | Uniquely identify a profile  Number of followers the user has  Number of recipes the user has published | No  No  No  No |
| Recipe | **recipeID (PK)**  name  ingredients  instructions  viewCount  likeCount | int  varchar(50)  //  //  int  int | Uniquely identify a recipe  Name of the meal  Ingredients required to make the meal  Instructions on how to make the meal  Number of times the recipe has been viewed  Number of likes the recipe has | No  No  No  No  No  No  No |
| Comment | commentID (PK)  commentDetails | int  varchar(100) | Uniquely identify a comment  The actual comment that was made | No  No  No  No |