

**NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES**

(KARACHI CAMPUS)

**Project Report**

Connect Kitchen

**Instructor**

Ms. Fizza Aqeel

**Group Members**

Ashar Zamir…………22K-4241

Anas Saleem…………22K-0500

Bilal Ahmed…………22K-4525

**Section**

BSCS-5F

# **1. Introduction**

In the modern digital age, food has become more than just sustenance; it’s a means of connection and cultural exchange. The Connect Kitchen platform seeks to create a community where chefs, home cooks, and food enthusiasts can share recipes, cooking techniques, and meal preparation ideas. This project will serve as a beginner-friendly social media platform centered around recipes, where users can engage with others by sharing recipes, providing feedback through likes, comments, and follows, and even placing meal orders directly from the recipes they discover. The platform aims to be more than just a social space; it also provides a convenient tool for meal preparation. The specifics of the technical implementation, including functionality and technology choices, will be further explored during the development phase, allowing for flexibility in meeting project requirements and user needs.

# **2. ERD**

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# **3. Normalised Schema**

1. **cart**

* + cart\_id (PK)
  + user\_id (FK to user\_.user\_id)
  + product\_id (FK to product.product\_id)
  + quantity

1. **comment\_**
   * comment\_id (PK)
   * content
   * user\_id (FK to user\_.user\_id)
   * recipe\_id (FK to recipe.recipe\_id)
   * created\_at
2. **follow**
   * follower\_id (FK to user\_.user\_id)
   * followed\_id (FK to user\_.user\_id)
   * followed\_at
3. **notifications**
   * notification\_id (PK)
   * user\_id (FK to user\_.user\_id)
   * message
   * order\_id (FK to order\_.order\_id)
   * status
   * created\_at
4. **order\_**
   * order\_id (PK)
   * address
   * total\_price
   * user\_id (FK to user\_.user\_id)
   * created\_at
   * status
5. **product**
   * product\_id (PK)
   * name
   * price
   * quantity\_available
   * user\_id (FK to user\_.user\_id)
   * recipe\_id (FK to recipe.recipe\_id)
6. **product\_ordered**
   * order\_id (FK to order\_.order\_id)
   * product\_id (FK to product.product\_id)
   * quantity\_ordered
   * order\_date
7. **recipe**
   * recipe\_id (PK)
   * recipe\_name
   * image
   * created\_date
   * instructions
   * user\_id (FK to user\_.user\_id)
   * category
8. **recipe\_ingredients**
   * ingredient\_id (PK)
   * ingredient\_name
   * quantity
   * recipe\_id (FK to recipe.recipe\_id)
9. **recipe\_liked**
   * user\_id (FK to user\_.user\_id)
   * recipe\_id (FK to recipe.recipe\_id)
   * liked\_at
10. **user\_**
    * user\_id (PK)
    * username
    * email (Unique)
    * password
    * dob
    * gender
    * profile\_picture
    * created\_at
11. **vouchers**
    * voucher\_id (PK)
    * voucher\_code (Unique)
    * min\_order\_amount
    * discount\_percentage
    * created\_at
    * status

# **4. Project Features**

**2.1. User Management:** Users can register, log in, and manage their profiles.

**2.2. Recipe Management:** Users will have the ability to create, share, and explore recipes, with potential features for organizing and discovering content.

**2.3. Social Media Features:** Users can engage with content through interactions such as comments, likes and can follow the person, fostering a community around shared culinary interest.

**The application includes the following core functionalities:**

* **Customer Module:**
  + User registration and login.
  + Create a profile.
  + Product browsing, search, and filtering.
  + checkout process.
  + Like/comment/follow.
  + Chat with Master chef (AI BOT)
* **Admin Module:**
  + View and manage customer orders.
  + Analytics dashboard for sales tracking.
  + Issue vouchers.
  + Update Categories.
* **Additional Features:**
  + Notifications for order status updates.

**PROJECT URL :** https://drive.google.com/file/d/1D9szOH0xwwNwv2fh6NI6tt1bZlEIaZwe/view?usp=sharing