Database Schema Design

1. User Table

Field Type Description

id UUID Primary key

name String Full name of user

email String Unique email for user

password String Hashed password

role Enum User or Admin role

created\_at Timestamp Record creation date

updated\_at Timestamp Record update date

2. Seller Table

Field Type Description

id UUID Primary key

name String Seller's name

email String Unique email for seller

password String Hashed password

business\_name String Name of the business

created\_at Timestamp Record creation date

updated\_at Timestamp Record update date

3. Restaurant Table

Field Type Description

id UUID Primary key

name String Restaurant's name

address String Location of restaurant

seller\_id UUID Owner/Seller's ID

created\_at Timestamp Record creation date

updated\_at Timestamp Record update date

4. Food Table

Field Type Description

id UUID Primary key

name String Food item name

description String Description of the food item

price Float Price

category\_id UUID Foreign key to Category

restaurant\_id UUID Foreign key to Restaurant

created\_at Timestamp Record creation date

updated\_at Timestamp Record update date

5. Category Table

Field Type Description

id UUID Primary key

name String Name of category

description String Description of category

parent\_category UUID Self-referencing for subcategories

6. Order Table

Field Type Description

id UUID Primary key

user\_id UUID Foreign key to User

food\_items JSON Array of food items ordered

total\_price Float Total cost

status Enum Status (Pending, Completed)

created\_at Timestamp Order creation date

updated\_at Timestamp Order update date