

SOFTWARE DEVELOPMENT ASSIGNMENT - 1

Project Name: TASTY

Definition and Explanations:

In our project, we designed a Recipe Sharing Platform with a simple and clear database structure. Each User can create multiple Recipes, and every recipe belongs to exactly one user. Recipes are also organized into Categories such as “Desserts” or “Vegan,” where one category can contain many recipes, but each recipe belongs to only one category.

Additionally, each recipe can have many Comments written by different users, while every comment belongs to exactly one recipe and one user. This structure ensures natural relationships between users, recipes, categories, and comments, making the application easy to understand and extend.

Relationship Explanations (with 1–N notation)

- **User [1]→[N] Recipe**
One user can create many recipes. Each recipe belongs to one user.
- **Category [1]→[N] Recipe**
One category can group many recipes. Each recipe belongs to one category.
- **Recipe [1]→[N] Comment**
One recipe can have many comments. Each comment belongs to one recipe.
- **User [1]→[N] Comment**
One user can write many comments. Each comment belongs to one user.

MODEL RELATIONSHIP STRUCTURE

