

Group 3

Team Name: Undercooked

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Main Domain: Recipe

Backup Domain: Movie

Project Description:

For this project, we aim to apply the domain knowledge through a web application. This web application will be created with either JavaScript or Python. This front-end information will be connected to the database using MySQL.

Phase 2 Update:

The ER model was created with a total of six entities; User, Recipe, Recipe Category, Recipe Ingredient, Item, and Item_Aisle. The User entity contains four attributes. Of these four attributes, the Username is the key attribute. The Recipe entity contains ten attributes and two weak entities. Of these ten attributes, the Recipe name and Author are the key attributes while the Author is also a foreign key from the User. The Recipe Category and Recipe Ingredient entities are weak entities to Recipe and are dependent on its key attributes. The Item entity contains five attributes and one weak entity. Of the five attributes, Item Name and Purchase Date are key attributes. Item_Aisle is a weak entity dependent on the key attributes from the Item entity. All entities were connected by many to many relationships, and one other attribute, quantity, was put on the “Made Of” relationship between Item and Recipe.

The reduction to tables was done in two steps. First, we took the model entities with their attributes and created tables from them. Then we took the relationships with their own attributes and the key attributes of the entities they were linking to make tables from them.