

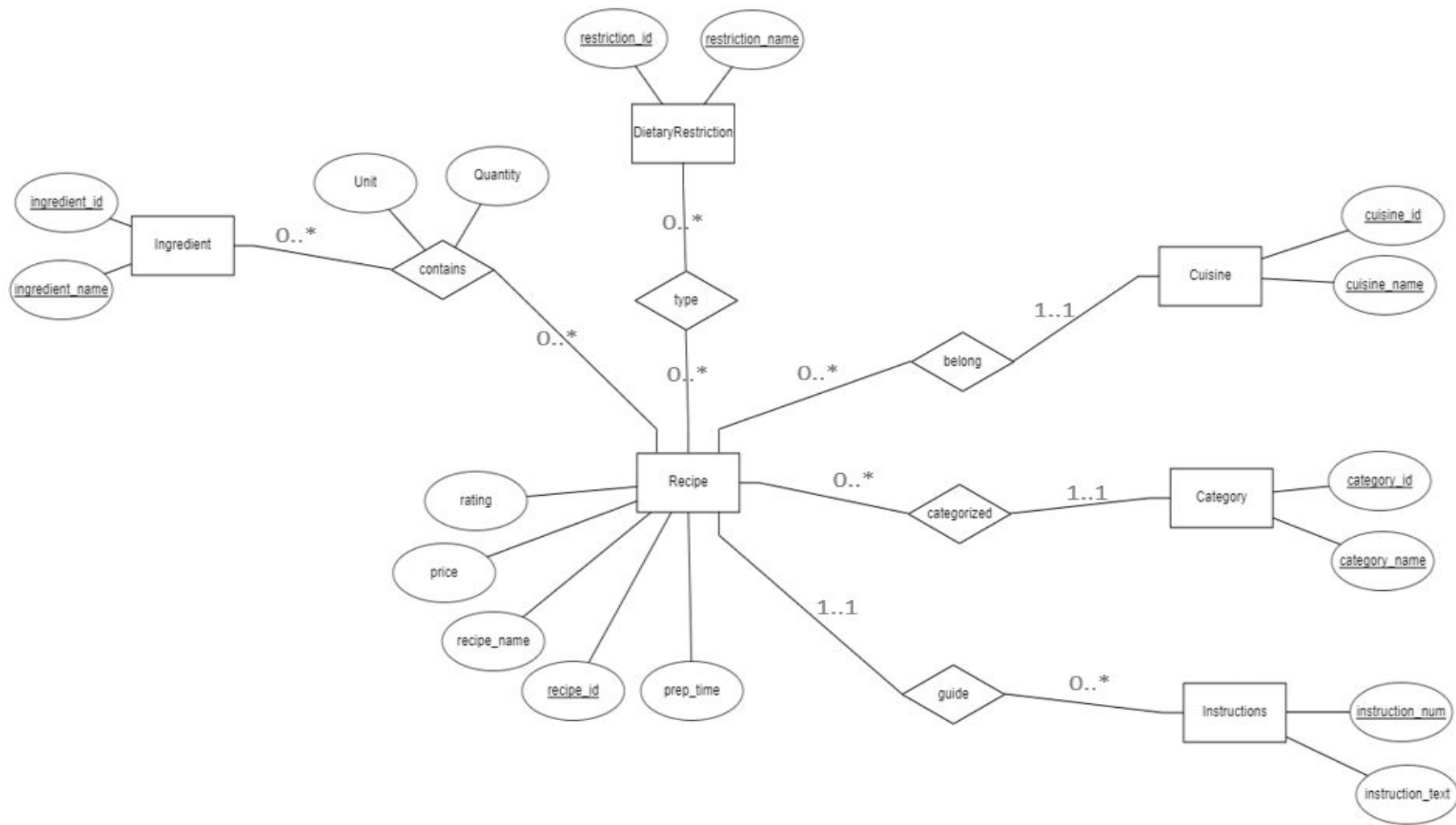
CPSC 321 Final Project

Recipe Collection App

Colin McClelland
Professor Bowers

Overview

- Allows users to store all necessary information on recipes
- Virtual cookbook
- Key Features Include:
 - a. View all existing recipes
 - b. Detailed information on each recipe
 - c. Add new recipes
 - d. Update existing recipes
 - e. Delete recipes
 - f. Faceted search
 - g. Analytics



Complex Queries

- Search Recipes
 - Have to build up query based on many criteria
- Instructions/Ingredients
 - Many to many relationship
- Updates Recipes
 - High volume of queries
- Analytics
 - GROUP BY/Aggregate Functions

Table Population



ChatGPT

- Build up inserts with feedback
- Some corrections necessary

Testing

- No “formal” testing
- `var_dump()`
- Muffins

Challenges

- Unfamiliarity with backend operations
- SQL Error messages
- Lack of PHP/web dev background

Future Work

- Improve
 - Input Validation - 500 pounds of chicken
 - Updating instructions/ingredients
 - Analytics
 - Interface
 - Existing Data
- Add
 - Notes
 - Images - NoSQL
 - Multiple User Support
 - Shopping List
 - Meal Planning