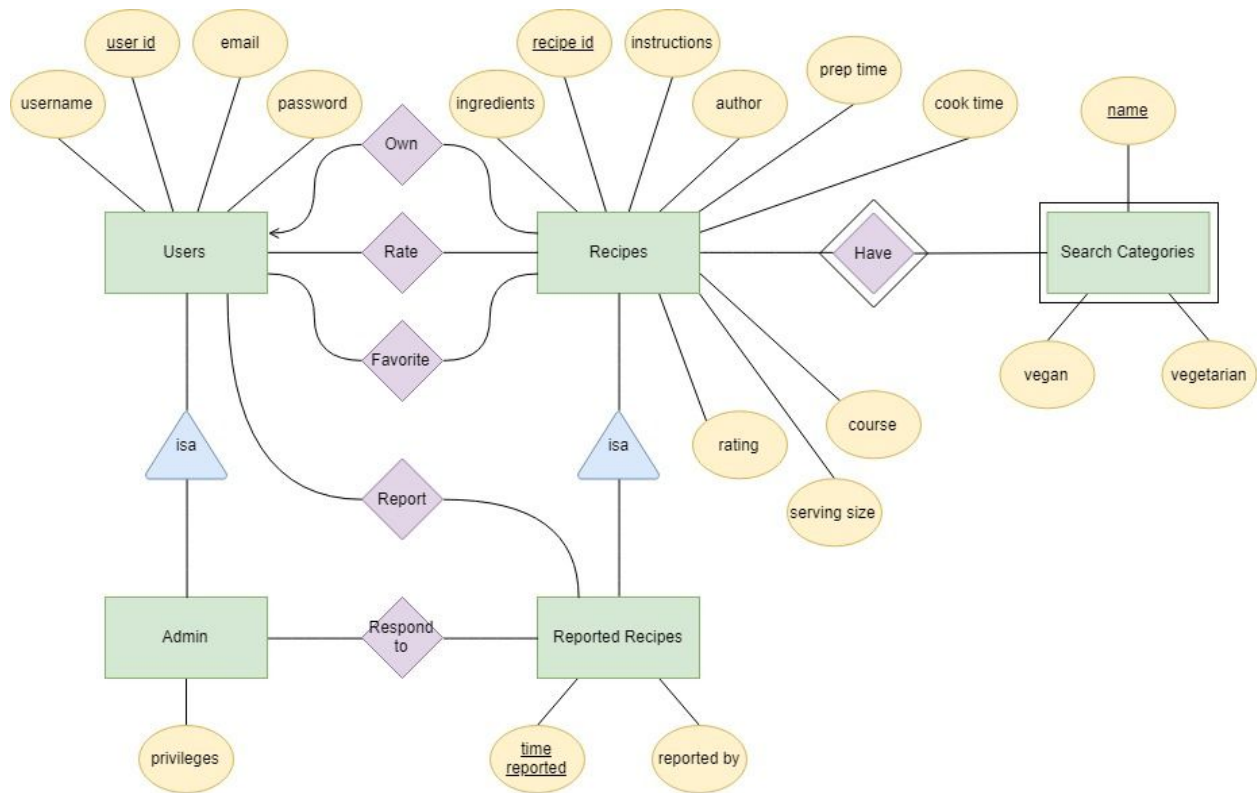# Project Data Model
& Database Design Document

Team 36

Timothy To, Yiyi Zhang, Sean Zurcher

ER Model:

Explanation:

Entity Sets:

- Users

  - Represents visitors to Recipedia that have created their own user accounts.

  - Differentiated by their user id. Attributes include username, password, and email.

- Admin

  - A subclass of Users. Represents users who have administrative privileges.

  - Primarily responsible for handling Reported Recipes by allowing or striking them.

- Recipes

- ○ Represents recipes that have been uploaded to Recipedia.

  - ○ Differentiated by their <u>recipe id</u>. Attributes include author, ingredients, instructions, serving size, prep time, cook time, course (main, side, dessert, etc), and cumulative rating.

- Reported Recipes

  - ○ A subclass of Recipes. Represents recipes that have some sort of inappropriate content in them, and have been flagged for review by an Admin.

- Search Categories

  - ○ Represents search filters that can be used to narrow down Recipes.

  - ○ Differentiated by their <u>name</u>, but inherits <u>recipe id</u> from Recipes as a primary key.

  - ○ Could potentially be expanded to include additional parameters (keto, paleo, etc)

<u>Relationships</u>:

- Own

  - ○ Users may create new Recipes. Once created, they can be managed by their respective Users. Each Recipe can be owned by one User.

- Rate

  - ○ Users can rate Recipes. Cumulative rating is stored as an attribute of Recipes.

- Favorite

  - ○ Users can pick favorite Recipes to save for later.

- Report

  - ○ Users can report Recipes if they find they have inappropriate content in them.

- Respond to

- ○ Admin can respond to Reported Recipes to review them and decide whether they should be left alone or taken down.
- ● Have
  - ○ Recipes have Search Categories. Visitors to Recipedia can search the database for particular Recipes, and can narrow their search by providing Search Categories that match those that are attached to existing Recipes.