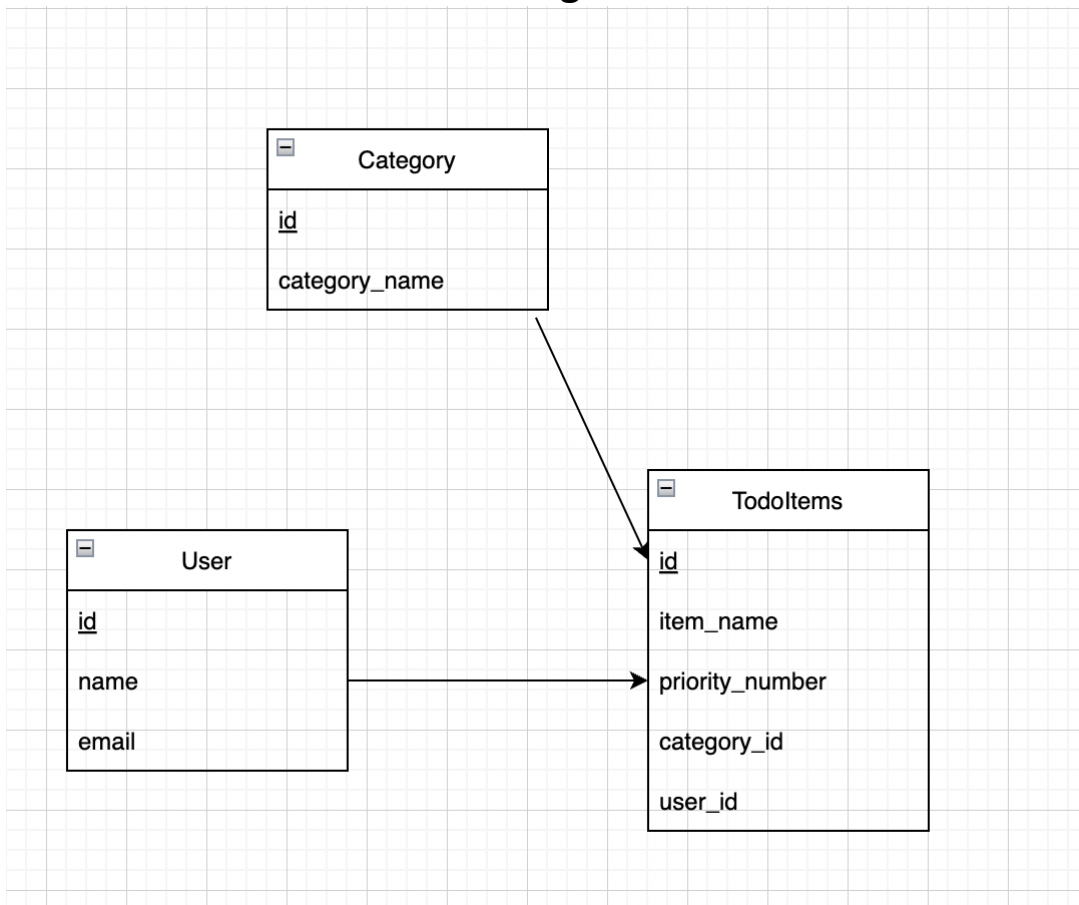# ER Diagram

The Entity Relationship (ER) Diagram illustrates the entities' relations. The Entities within our chart set the precedence attributes and relationality between each concept. The three tables for our project are Users, Categories, and TodoItems.

The User table mainly stores User information. The User table focuses on three attributes - ID (the Identification of the intended user), the preferred name, and the email associated with the user. The User table connects to the TodoItems table through a one-to-many relationship, allowing for the User, being one table, to reference the To-do Items holding several records.

The Category table stores category information. The attributes within the Category table are ID and category name. The ID is also the primary key. The one-to-many relationship between the Category and To-do Items tables can also be seen.

The most complex table with many records is the To-do Items table. The records stored within the table contain information about the To-do list items. They are the ID, item name and priority number. ID is the primary key. In addition, we included two foreign keys, "category-id" and "user-id." The two foreign keys separately point to the Id within the Category table and the User table. The foreign keys are essential because they are the specific indicators of the relationships to the other tables.