|  |
| --- |
| **Notation:** |
| **Primary Key** |
| ***Foreign Key*** |

**Relational Schema**

**Credit Card**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CCID | CCNumber | CCCode | CCType | ExpDate |

**Ingredients**

|  |  |
| --- | --- |
| IngredientID | Name |

**Recipe**

|  |  |  |  |
| --- | --- | --- | --- |
| RecipeID | RecipeName | TimeToMake | Link |

**RecipeIngredients (Recipe Uses Ingredients)**

|  |  |  |  |
| --- | --- | --- | --- |
| RecipeIngredientsID | *RecipeID* | *IngredientID* |  |

**UserCreditCard (User Has Credit Card)**

|  |  |  |
| --- | --- | --- |
| UserCreditCardID | *CCID* | User |

**UserIngredientList (User Uses Ingredient)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| UserIngredientListID | *IngredientID* | *UserID* | Quantity | Expiration Date |

**UserRecipe (User Saves Recipe)**

|  |  |  |  |
| --- | --- | --- | --- |
| UserRecipeID |  | *RecipeID* | *UserID* |

**Users**

|  |  |  |
| --- | --- | --- |
| UserID | Username | Password |

**A note about redundancy:**

No table in our schema contains redundant information. However, we chose to add additional primary keys for each table to ensure uniqueness in the event one user had multiple accounts, one for party-planning and another for everyday meals, et cetera.