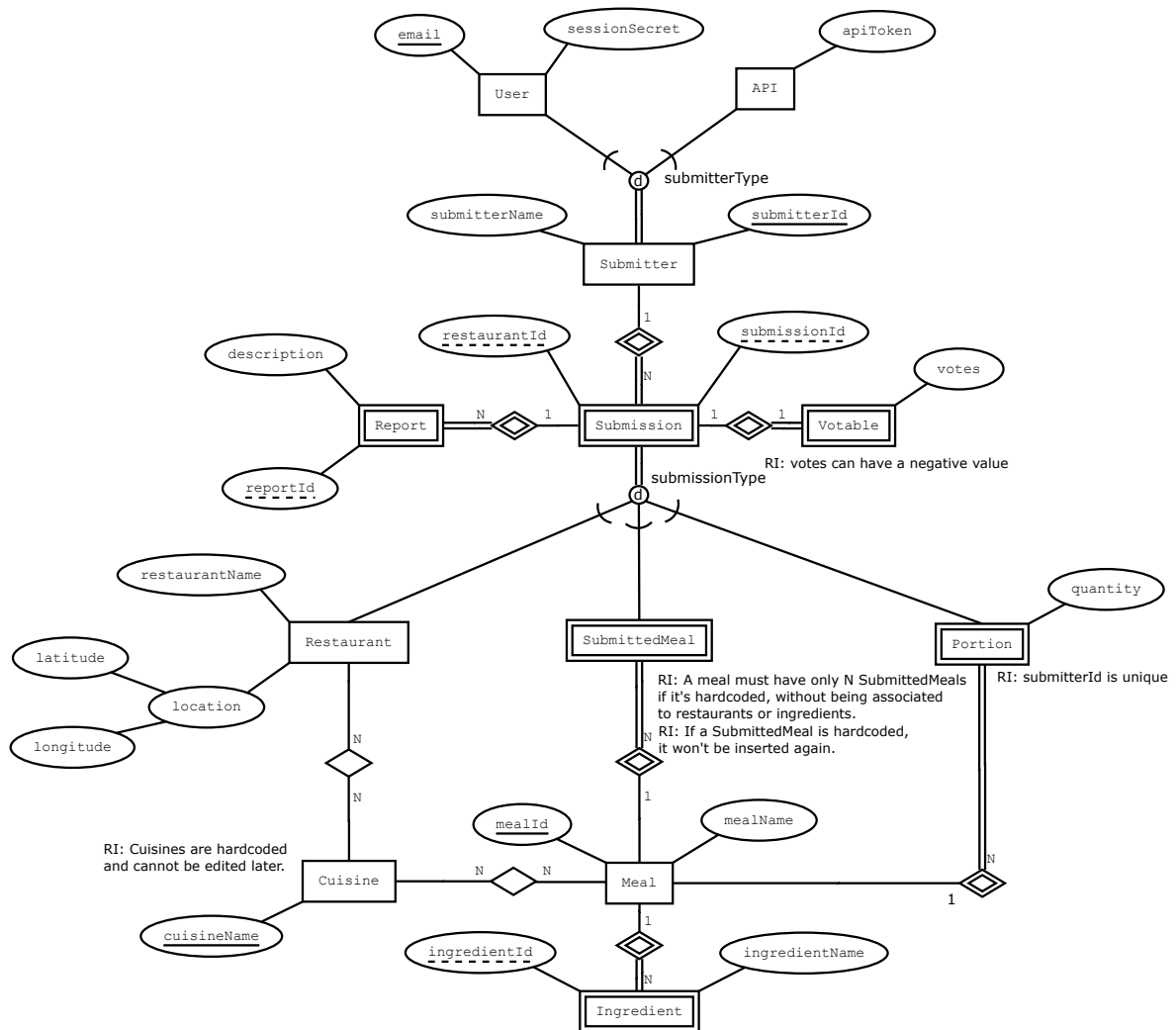


Database's Models

Nutr.io

March 23, 2020

1 Conceptual Model



2 Relational Model

- **Submitter**

- Attributes: submitterId, submitterName, submitterType
- Primary Key(s): submitterId
- Foreign Key(s): -

- **User**

- Attributes: email, submitterId, sessionSecret, submitterName
- Primary Key(s): email, submitterId
- Foreign Key(s): submitterId from Submitter
- Not null: submitterId

- **API**

- Attributes: submitterId, apiToken, submitterName
- Primary Key(s): submitterId
- Foreign Key(s): submitterId from Submitter

- **Submission**

- Attributes: submissionId, restaurantId, submitterId, submissionType
- Primary Key(s): submissionId, restaurantId, submitterId
- Foreign Key(s): submitterId from Submitter
- Not null: submitterId

- **Report**

- Attributes: reportId, submitterId, submissionId, restaurantId, description
- Primary Key(s): reportId, submitterId, submissionId, restaurantId
- Foreign Key(s): submitterId, submissionId, restaurantId from Submission
- Not null: submissionId, restaurantId, submitterId

- **Votable**

- Attributes: submitterId, submissionId, restaurantId, votes
- Primary Key(s): submitterId, submissionId, restaurantId
- Foreign Key(s): submitterId, submissionId, restaurantId from Submission
- Not null: submissionId, restaurantId, submitterId

- **Restaurant**

- Attributes: submissionId, restaurantId, submitterId, restaurantName, latitude, longitude
- Primary Key(s): submissionId, restaurantId, submitterId
- Foreign Key(s): submissionId, restaurantId, submitterId from Submission

- **SubmittedMeal**

- Attributes: submissionId, restaurantId, submitterId, mealId
- Primary Key(s): submissionId, restaurantId, submitterId, mealId
- Foreign Key(s): submissionId, restaurantId, submitterId from Submission, mealId from Meal
- Not null: mealId

- **Portion**

- Attributes: submissionId, restaurantId, submitterId, mealId, quantity

- Primary Key(s): submissionId, restaurantId, submitterId, mealId
- Foreign Key(s): submissionId, restaurantId, submitterId, mealId from Submission
- Not null: mealId
- **Meal**
 - Attributes: mealId, cuisineName, submissionId, restaurantId, submitterId, mealName
 - Primary Key(s): mealId
 - Foreign Key(s): cuisineName, submissionId, restaurantId, submitterId from CuisineMeal
- **Ingredient**
 - Attributes: ingredientId, mealId, submissionId, restaurantId, submitterId, ingredientName
 - Primary Key(s): ingredientId, mealId, submissionId, restaurantId, submitterId
 - Foreign Key(s): mealId, submissionId, restaurantId, submitterId from Meal
 - Not null: mealId
- **Cuisine**
 - Attributes: cuisineName
 - Primary Key(s): cuisineName
 - Foreign Key(s): -
- **CuisineMeal**
 - Attributes: cuisineName, mealId, submissionId, restaurantId, submitterId
 - Primary Key(s): cuisineName, mealId, submissionId, restaurantId, submitterId
 - Foreign Key(s): cuisineName, mealId, submissionId, restaurantId, submitterId from Cuisine and Meal
- **RestaurantCuisine**
 - Attributes: cuisineName, submissionId, restaurantId, submitterId
 - Primary Key(s): cuisineName, submissionId, restaurantId, submitterId
 - Foreign Key(s): cuisineName, submissionId, restaurantId, submitterId from Restaurant and Cuisine