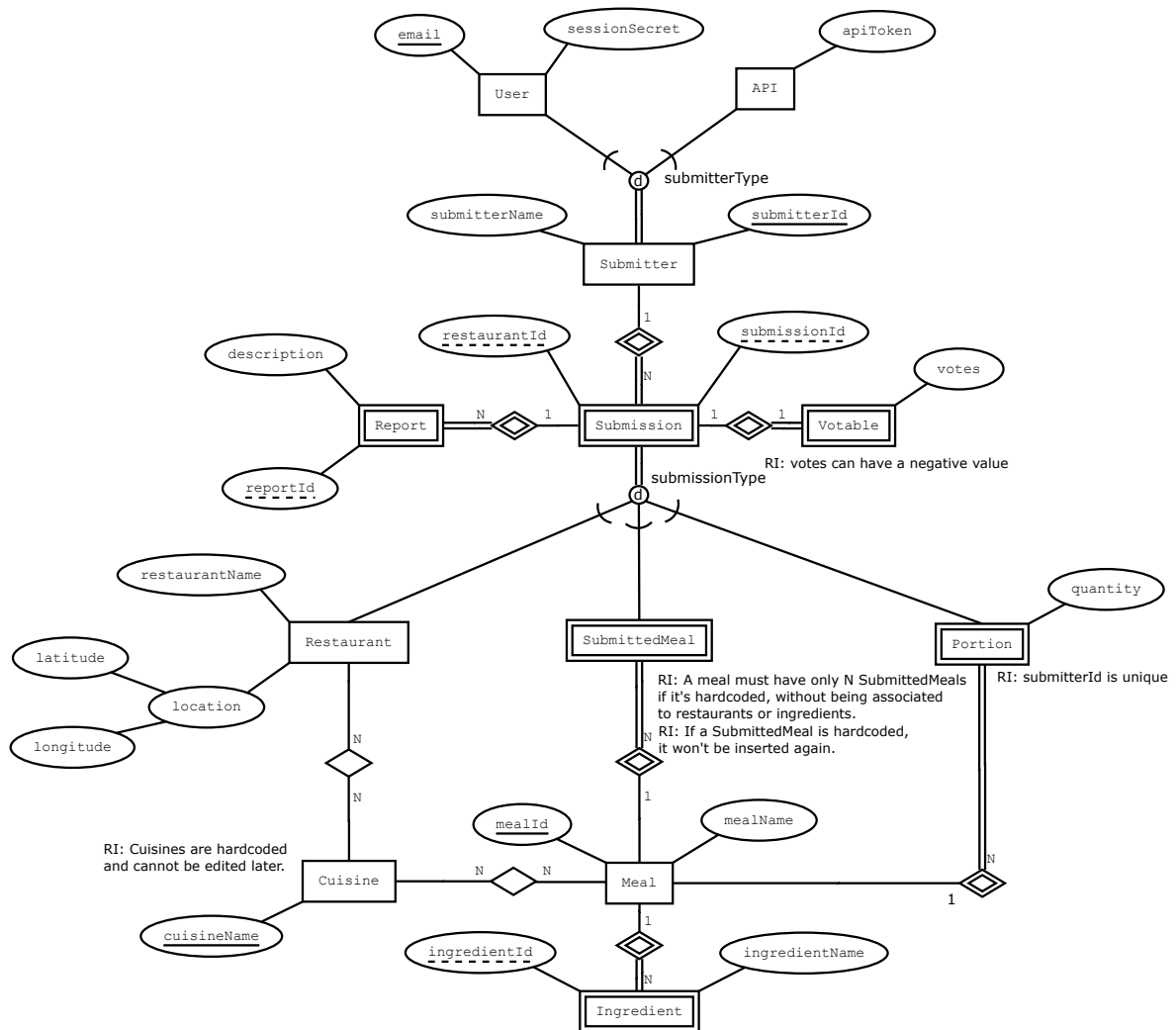# Database's Models

Nutr.io

March 23, 2020

1 Conceptual Model

2 Relational Model

- **Submitter**

    - Attributes: <u>submitterId</u>, submitterName, submitterType
    - Primary Key(s): <u>submitterId</u>
    - Foreign Key(s): -

- **User**

    - Attributes: <u>email</u>, <u>*submitterId*</u>, sessionSecret, submitterName
    - Primary Key(s): <u>email</u>, <u>*submitterId*</u>
    - Foreign Key(s): <u>*submitterId*</u> from Submitter
    - Not null: <u>*submitterId*</u>

- **API**

    - Attributes: <u>*submitterId*</u>, apiToken, submitterName
    - Primary Key(s): <u>*submitterId*</u>
    - Foreign Key(s): <u>*submitterId*</u> from Submitter

- **Submission**

    - Attributes: <u>submissionId</u>, <u>restaurantId</u>, <u>*submitterId*</u>, submitterType
    - Primary Key(s): <u>submissionId</u>, <u>restaurantId</u>, <u>*submitterId*</u>
    - Foreign Key(s): <u>*submitterId*</u> from Submitter
    - Not null: <u>*submitterId*</u>

- **Report**

    - Attributes: <u>reportId</u>, <u>*submitterId*</u>, <u>*submissionId*</u>, <u>*restaurantId*</u>, description
    - Primary Key(s): <u>reportId</u>, <u>*submitterId*</u>, <u>*submissionId*</u>, <u>*restaurantId*</u>
    - Foreign Key(s): <u>*submitterId*</u>, <u>*submissionId*</u>, <u>*restaurantId*</u> from Submission
    - Not null: <u>submissionId</u>, <u>restaurantId</u>, <u>*submitterId*</u>

- **Votable**

    - Attributes: <u>*submitterId*</u>, <u>*submissionId*</u>, <u>*restaurantId*</u>, votes
    - Primary Key(s): <u>*submitterId*</u>, <u>*submissionId*</u>, <u>*restaurantId*</u>
    - Foreign Key(s): <u>*submitterId*</u>, <u>*submissionId*</u>, <u>*restaurantId*</u> from Submission
    - Not null: <u>submissionId</u>, <u>restaurantId</u>, <u>*submitterId*</u>

- **Restaurant**

    - Attributes: <u>*submissionId*</u>, <u>*restaurantId*</u>, <u>*submitterId*</u>, restaurantName, location
    - Primary Key(s): <u>*submissionId*</u>, <u>*restaurantId*</u>, <u>*submitterId*</u>
    - Foreign Key(s): <u>*submissionId*</u>, <u>*restaurantId*</u>, <u>*submitterId*</u> from Submission

- **SubmittedMeal**

    - Attributes: <u>*submissionId*</u>, <u>*restaurantId*</u>, <u>*submitterId*</u>, <u>*mealId*</u>
    - Primary Key(s): <u>*submissionId*</u>, <u>*restaurantId*</u>, <u>*submitterId*</u>, <u>*mealId*</u>
    - Foreign Key(s): <u>*submissionId*</u>, <u>*restaurantId*</u>, <u>*submitterId*</u> from Submission, <u>*mealId*</u> from Meal
    - Not null: <u>*mealId*</u>

- **Portion**

    - Attributes: <u>*submissionId*</u>, <u>*restaurantId*</u>, <u>*submitterId*</u>, <u>*mealId*</u>, quantity

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

- **Meal**

    - – Attributes: <u>mealId</u>, *cuisineName*, *submissionId*, *restaurantId*, *submitterId*, mealName
    - – Primary Key(s): <u>mealId</u>
    - – 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: <u>cuisineName</u>
    - – Primary Key(s): <u>cuisineName</u>
    - – 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