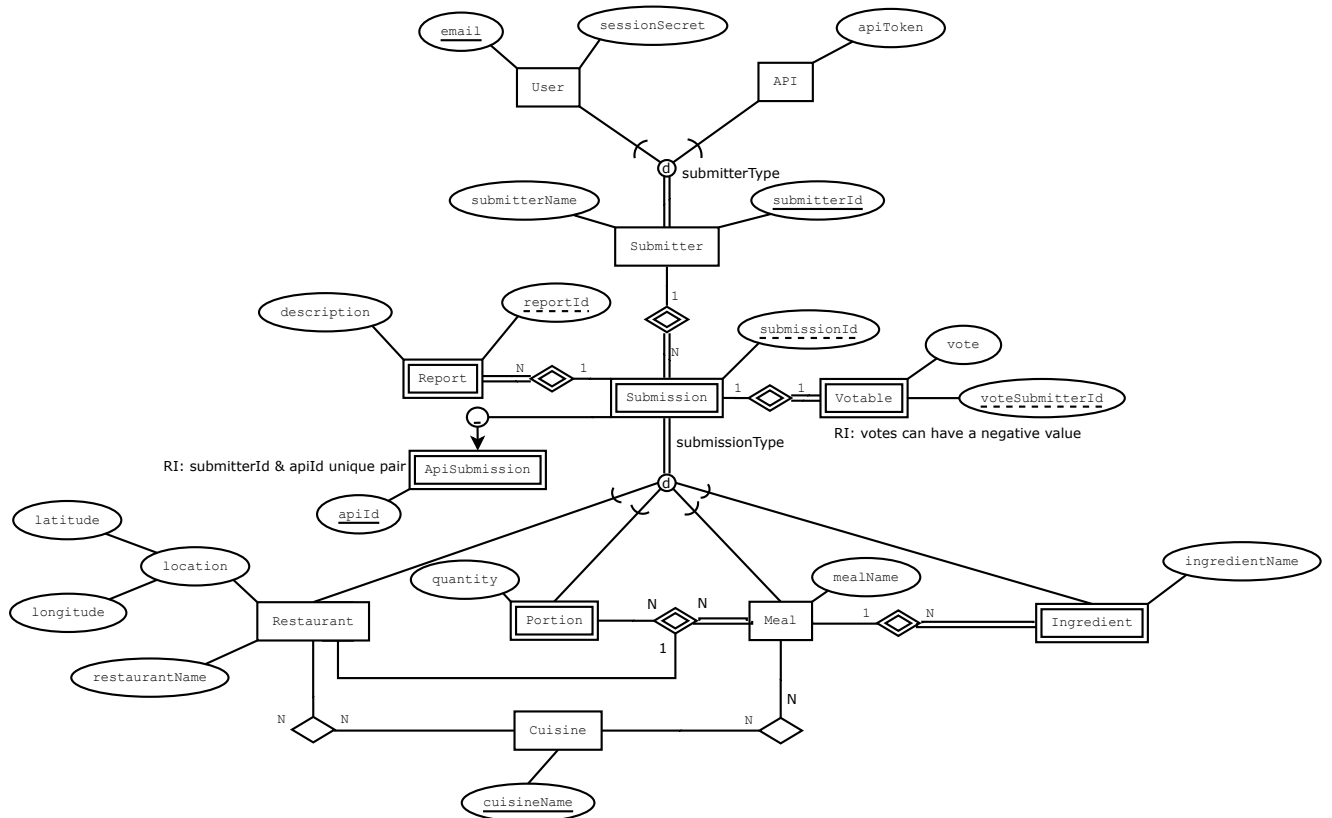# Database's Models

Nutr.io

April 8, 2020

1 Conceptual Model

2 Relational Model

- **Submitter**

    - Attributes: <u>submitterId</u>, submitterName, submitterType
    - Primary Key(s): <u>submitterId</u>
    - Foreign Key(s): -
    - Not null: submitterName, submitterType

- **User**

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

- **API**

    - Attributes: <u>*submitterId*</u>, apiToken
    - Primary Key(s): <u>*submitterId*</u>
    - Foreign Key(s): <u>*submitterId*</u> references Submitter
    - Not null: apiToken

- **Submission**

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

- **ApiSubmission**

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

- **Report**

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

- **Votable**

    - Attributes: <u>voteSubmitterId</u>, <u>*submissionId*</u>, <u>*submitterId*</u>, vote
    - Primary Key(s): <u>voteSubmitterId</u>, <u>*submissionId*</u>, <u>*submitterId*</u>
    - Foreign Key(s): <u>*submissionId*</u> references Submission, <u>*submitterId*</u> references Submission
    - Not null: -

- **Restaurant**

    - Attributes: <u>*submissionId*</u>, <u>*submitterId*</u>, restaurantName, latitude, longitude
    - Primary Key(s): <u>*submissionId*</u>, <u>*submitterId*</u>
    - Foreign Key(s): <u>*submissionId*</u> references Submission, <u>*submitterId*</u> references Submission
    - Not null: restaurantName, latitude, longitude

- **Cuisine**

  - Attributes: <u>cuisineName</u>
  - Primary Key(s): <u>cuisineName</u>
  - Foreign Key(s): -
  - Not null: -

- **Meal**

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

- **Portion**

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

- **Ingredient**

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