Users:

| **column name** | **data type** | **details** |
| --- | --- | --- |
| id | integer | not null, primary key |
| username | string | not null, indexed |
| email | string | not null, indexed, unique |
| password\_digest | string | not null |
| session\_token | string | not null, indexed, unique |
| created\_at | datetime | not null |
| updated\_at | datetime | not null |

* index on username, unique: true
* index on session\_token, unique: true

Events:

| **column name** | **data type** | **details** |
| --- | --- | --- |
| id | integer | not null, primary key |
| event\_date | Datetime | not null |
| creator\_id | integer | not null, indexed, foreign key |
| location | String | not null |
| description | Text | not null |
| price | String | Not null |
| categories | String | Not null |
| tags | String |  |
| created\_at | datetime | not null |
| updated\_at | datetime | not null |

* creator\_id references users
* index on creator\_id
* price was made as string because it could be “free”
* Allowed tags to be null since it seems to make sense that a person might not always want to put a tag for their event

Likes

| **column name** | **data type** | **details** |
| --- | --- | --- |
| id | integer | not null, primary key |
| user\_id | integer | not null, indexed, foreign key |
| event\_id | integer | not null, indexed, foreign key |
| created\_at | datetime | not null |
| updated\_at | datetime | not null |

* user\_id references users
* event\_id references event
* index on [:event \_id, :user\_id], unique: true

Tickets

| **column name** | **data type** | **details** |
| --- | --- | --- |
| id | integer | not null, primary key |
| purchaser\_id | integer | not null, indexed, foreign key |
| event\_id | integer | not null, indexed, foreign key |
| created\_at | datetime | not null |
| updated\_at | datetime | not null |

* purchaser\_id is user\_id
* purchaser\_id is indexed
* event\_id is indexed

Questions:

* Events
  + Should I be including tags to begin with? Seems like a bonus but is tied to categories
  + Since location can be used for google API is the type still string?
  + How to do categories and tags? I understand model validation could be an inclusion sort of thing where they chose between party, music, business, etc but what about table level?
* Likes
  + In likes in the chirps example it said “We don't need a separate index for chirp\_id because the first index adds it for us.” Is the second bullet point of user\_id also not already created by the first buller point
    - index on [:chirp\_id, :user\_id], unique: true
    - index on :user\_id, unique: true
* Tickets
  + How to handle quantity?
    - It seems like just make multiple rows in the table. What is considered most efficient?