Hand-In

networX Event Reviews — Summary

A lightweight review hub for student events. Users rate past events (1–5 stars) and leave short reviews. Event pages show average rating and list the reviews.

Main functionalities (MVP)

- **Auth & roles:** register/login; roles: `user`

- **Event catalog:** list; event detail with average rating and review feed, each Event has exactly **one Host**.

- **Hosts**: host index + host detail page with aggregated stats

    - `average_rating` across all reviews of that host's events

- **Reviews:** one review per user per event (1–5 stars, 500-char review text).

- **Seed data:** factories for all models, except events; ~50–100 reviews, ~50 users, 10 Hosts.

Data models & properties

User (standard)

- **Columns:** `id` , `full_name` , `email` (unique), `password` , possibly: `role` (enum: user/admin), timestamps.

- **Relations:**

    - **hasMany → Review** (a user can write many reviews).

Event

- **Columns:** `id` , `title` , `starts_at` (datetime), `location` (string), `description` (text), `host_id` (FK → hosts.id, indexed), timestamps.

- **Computed (not stored):** `average_rating` , list of all events (incl. title)

- **Relations:**
  - **hasMany → Review** (an event has many reviews).

Review

- **Columns:** `id`, `user_id` (FK → users), `event_id` (FK → events), `rating` (tinyint 1–5), `comment` (string 500), timestamps.

- **Constraints: unique** (`user_id`, `event_id`) to enforce one review per user per event.

- **Relations:**
  - **belongsTo → User**
  - **belongsTo → Event**

Host

- **Columns:**

  `id`, `name` (string)

- **Computed (not stored):**

  `average_rating`, `reviews_count`, `events_count`

- **Relations:**

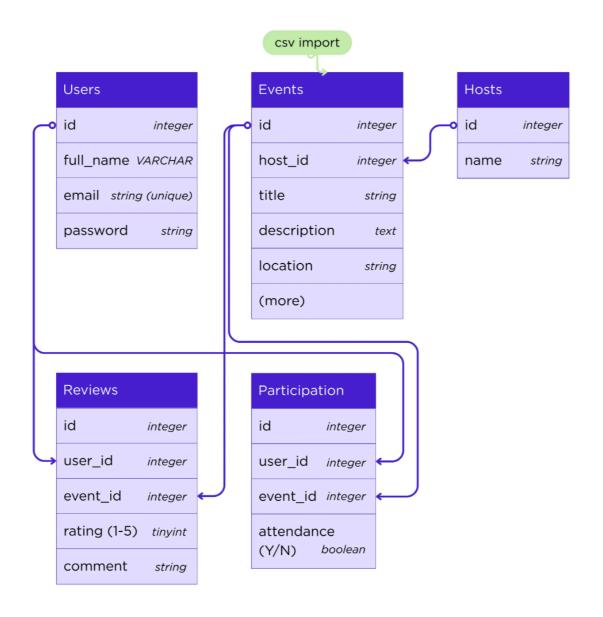 **hasMany → Event**

Relationship summary

- **Host 1:N Event** (one host, many events)

- **User 1:N Review** (one user, many reviews).

- **Event 1:N Review** (one event, many reviews).

- **User N:M Event** via `event_user` for tracking attendance/RSVP later; not needed for the review workflow.

- **Host N:many Reviews** via Host → Events → Reviews

Host (1) —< Event (1) —< Review >— (1) User

Factories & seeding plan

- **Events Import**

- **UserFactory:** demo users (roles: mostly `user`, one `admin`).

- **ReviewFactory:** random `user_id` + `event_id`, rating 1–5, short comment.

- **Guards:** ensure `unique(user_id, event_id)` when generating reviews.

- **HostFactory:** 10 simple hosts (name).