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)

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- 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:

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id , name (string)
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• Computed (not stored):

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average_rating , reviews_count , events_count
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Relations:

hasMany → Event

Relationship summary

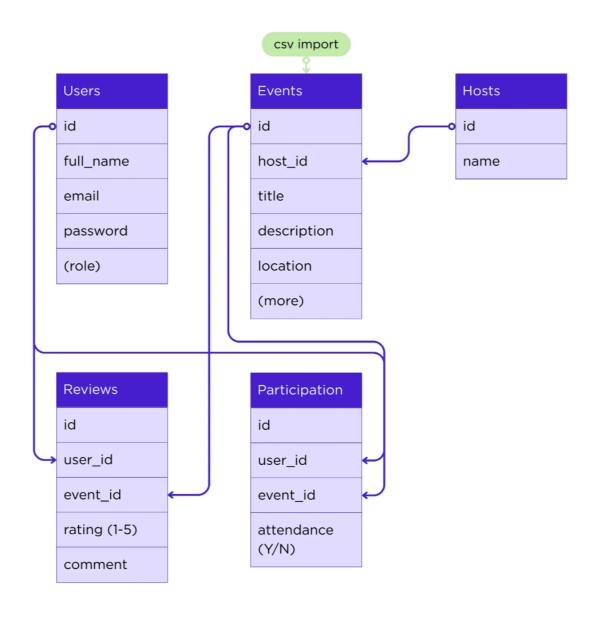
- Host 1:N Event (one host, many events)
- User 1:N Review (one user, many reviews).
- Event 1:N Review (one event, many reviews).
- **User N:M Event** via <a href="event_user" for tracking attendance/RSVP later; not needed for the review workflow.
- Host N:many Reviews via Host → Events → Reviews

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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).

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