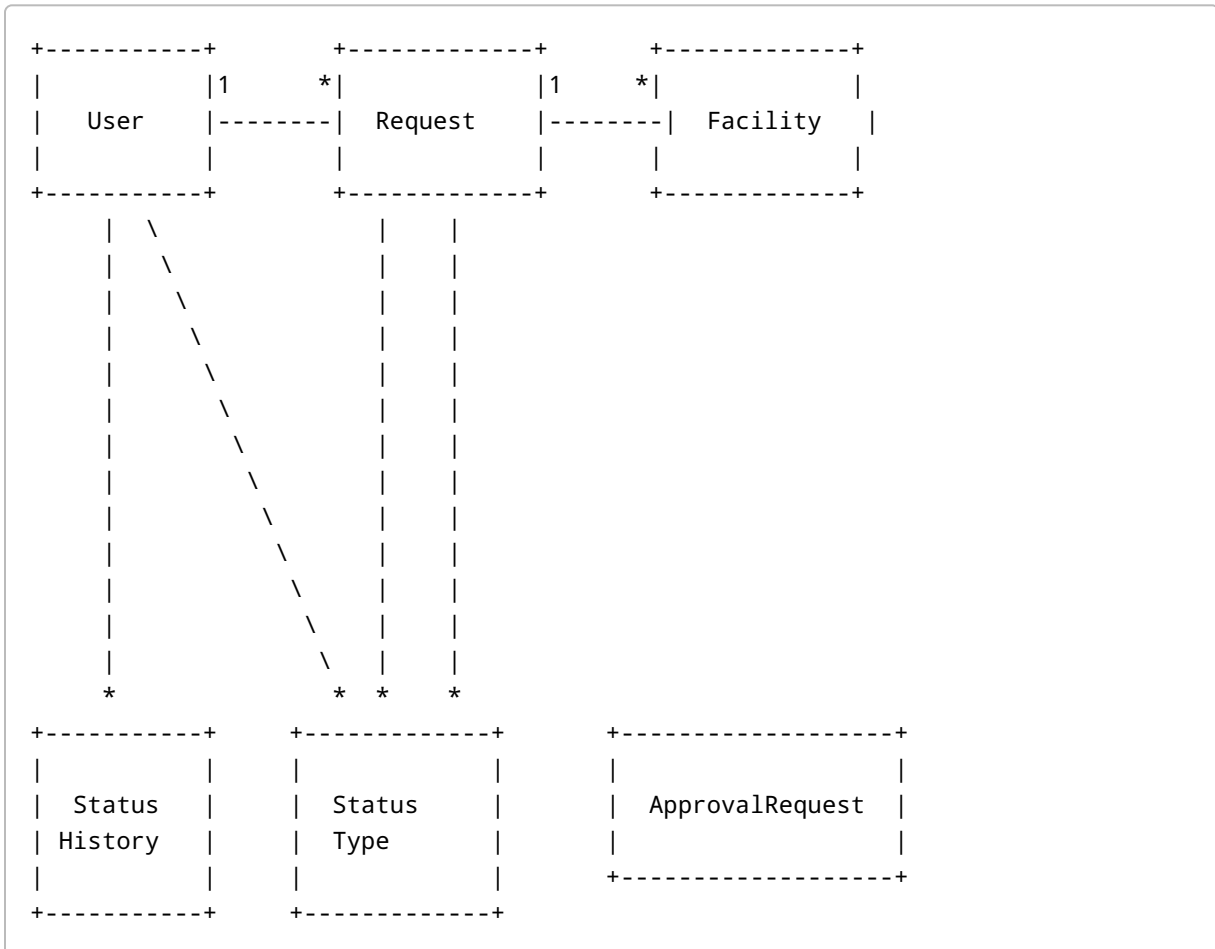


ER Diagram

The Entity-Relationship (ER) Diagram for the Online Help Desk (OHD) System captures the key entities and their relationships:



Entities:

- **User** (UserId, FullName, Username, Email, PasswordHash, Role, IsActive, DateCreated)
- **Facility** (FacilityId, Name, Location)
- **Request** (RequestId, Title, Description, Status, UserId, FacilityId, AssignedToUserId, CreatedAt, UpdatedAt)
- **StatusHistory** (HistoryId, RequestId, UpdatedByUserId, Status, UpdatedAt)
- **ApprovalRequest** (ApprovalId, UserId, IsApproved, IsRejected, RequestedAt, ReviewedAt)

Relationships:

- A **User** can create many **Requests** (1\N).
- A **Facility** can have many **Requests** associated (1\N).
- A **Request** may be assigned to an **Assignee** (subset of User), forming a self-relationship via `AssignedToUserId`.
- Each **Request** has multiple **StatusHistory** entries (1\N) to track its progress.
- **ApprovalRequest** is linked to **User** (1:1 or 1\N depending on registration requests).

This ER model supports:

- Tracking request creation, assignment, and status updates.
- Managing facility metadata.
- Capturing user roles and registration approvals.