


## SD-03 — Review Submission (POST /places{place\_id}/reviews)



### Explanatory Notes:

#### Purpose :

- Submit a review linked to a specific place and a user, ensuring both exist before saving.

#### Key steps :

- User sends POST /places/{place\_id}/reviews with review payload (+ user\_id).
- API forwards to HBnBFacade.create\_review(user\_id, place\_id, review\_data).
- Facade validates place exists via Repository (SELECT place WHERE id=?).
- If place not found: Facade returns Error(PLACE\_NOT\_FOUND) → API returns 404 Not Found.
- If place exists, Facade validates user exists (SELECT user WHERE id=?).
- If user not found: Facade returns Error(USER\_NOT\_FOUND) → API returns 404 Not Found.
- If both exist, Facade creates Review entity and persists it (INSERT review) → receives new id.
- Facade maps to ReviewDTO → API returns 201 Created + ReviewDTO.

#### Layer responsibilities :

- Presentation (API): receives submission request and returns HTTP status + DTO.
- Business (HBnBFacade): enforces preconditions (place/user existence), orchestrates save, maps to DTO.
- Persistence (Repository/DB): performs SELECT checks and INSERT review.

#### Outputs / errors :

- Success: 201 Created + ReviewDTO
- Failure: 404 Not Found (place not found or user not found)