


SD-02 — Place Creation (POST /places)

Explanatory Notes:



Purpose :

- Create a new place listing for an existing user (owner).

Key steps :

- User sends **POST /places** with place data (+ implicit/explicit **user_id**).
- API forwards to **HBnBFacade.create_place(user_id, place_data)**.
- Facade validates owner exists via **Repository** (`SELECT user WHERE id=?`).
- If user not found: Facade returns `Error(USER_NOT_FOUND)` → API returns **404 Not Found**.
- If user found: Facade creates **Place** entity, Repository persists it (`INSERT place`) and returns new id.
- Facade maps to **PlaceDTO** → API returns **201 Created + PlaceDTO**.

Layer responsibilities :

- Presentation (API): endpoint handling, calls facade, formats HTTP response.
- Business (HBnBFacade): validates owner, orchestrates creation, maps to DTO.
- Persistence (Repository/DB): fetches user, inserts place, returns identifiers.

Outputs / errors :

- Success: **201 Created + PlaceDTO**
- Failure: **404 Not Found** (user not found)