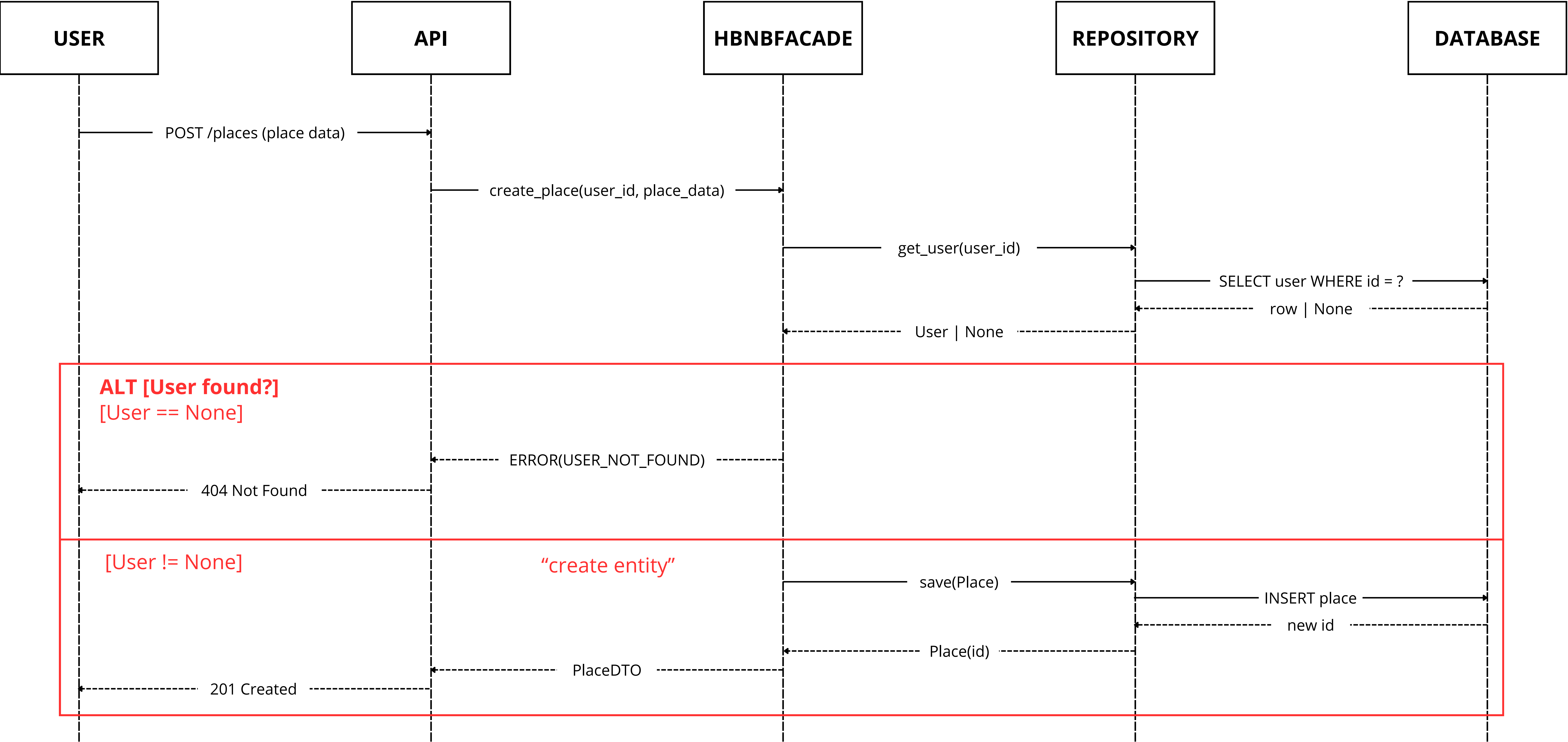


SD-02 — Place Creation (POST /places)



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)