**Use Case — Client Update (UC-CLI-002)**

**Acceptance Criteria**

* **AC-CLI-002-01 (Valid update)**
  + **Given** the client exists, the If-Match header matches the current ETag, and the patch is valid
  + **When** I send PATCH /api/clientes/{id}
  + **Then** the system returns 200 OK with updated data and a new ETag.
* **AC-CLI-002-02 (Client not found)**
  + **Given** the client ID does not exist
  + **When** I send the request
  + **Then** the system returns 404 Not Found with error CLIENTE\_NAO\_ENCONTRADO.
* **AC-CLI-002-03 (Duplicate email)**
  + **Given** the email provided already belongs to another client
  + **When** I send the patch
  + **Then** the system returns 409 Conflict with error EMAIL\_JA\_UTILIZADO.
* **AC-CLI-002-04 (Immutable field)**
  + **Given** the patch attempts to alter /cpf
  + **When** I send the request
  + **Then** the system returns 422 Unprocessable Entity with error CAMPO\_IMUTAVEL.
* **AC-CLI-002-05 (Concurrency violation)**
  + **Given** the If-Match header is outdated (ETag mismatch)
  + **When** I send the patch
  + **Then** the system returns 412 Precondition Failed with error VERSAO\_DESATUALIZADA.
* **AC-CLI-002-06 (Invalid patch)**
  + **Given** the JSON Patch is malformed or contains an invalid path
  + **When** I send the request
  + **Then** the system returns 400 Bad Request with error PATCH\_OPERACAO\_INVALIDA.
* **AC-CLI-002-07 (Persistence failure)**
  + **Given** the system encounters an error while persisting the changes
  + **When** I send the patch
  + **Then** the system returns 500 Internal Server Error with error ERRO\_PERSISTENCIA.
* **AC-CLI-002-08 (Insufficient permission)**
  + **Given** the user lacks permission AlterarCadastroCliente
  + **When** they attempt to update a client
  + **Then** the system returns 403 Forbidden with error PERMISSAO\_NEGADA.
* **AC-CLI-002-09 (No-op update)**
  + **Given** the patch does not result in any effective change
  + **When** I send the request
  + **Then** the system returns 200 OK with unchanged resource and the same ETag.