- ○ **Description:** Retrieves metadata for a processed PDF, such as the number of segments and segment details.
  - ○ **Request:**
    - ■ `{id}`: The unique identifier for the processed PDF.
  - ○ **Response:** JSON containing metadata about the processed PDF, including the number of segments, segment sizes, and positions.
3. **PUT /update-segmentation/{id}**
   - ○ **Description:** Updates the segmentation details of a previously processed PDF by changing the number of cuts or adjusting segmentation positions.
   - ○ **Request:**
     - ■ `{id}`: The unique identifier for the processed PDF.
     - ■ New segmentation details (e.g., updated number of cuts).
   - ○ **Response:** Returns the updated segmented PDF files.
4. **PATCH /modify-segmentation/{id}**
   - ○ **Description:** Partially updates segmentation details, such as modifying specific cut positions without reprocessing the entire PDF.
   - ○ **Request:**
     - ■ `{id}`: The unique identifier for the processed PDF.
     - ■ JSON body with fields to modify (e.g., specific segment positions).
   - ○ **Response:** Returns the modified segmented PDFs.
5. **DELETE /delete-pdf/{id}**
   - ○ **Description:** Deletes a processed PDF and all its associated segments.
   - ○ **Request:**
     - ■ `{id}`: The unique identifier for the processed PDF.
   - ○ **Response:** Confirms deletion of the specified PDF and its segments.

Quality Standards for REST API:

Mandatory Standards:

1. **HTTP Methods and Status Codes:**
   - ○ Use correct HTTP methods:
     - ■ `POST` for creating new segmented PDFs.
     - ■ `GET` for retrieving metadata about processed PDFs.
     - ■ `PUT` for updating entire segmentation details of a PDF.
     - ■ `PATCH` for modifying specific segmentation details.
     - ■ `DELETE` for removing a processed PDF and its segments.
   - ○ Return appropriate status codes:
     - ■ `200 OK` for successful operations.
     - ■ `201 Created` for new resource creation.
     - ■ `204 No Content` for successful deletions.