

Assignment #4 Endpoints

Advanced Web Development

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Endpoints Overview:

- GET /applicants (Collection)
- GET /applicants/{id} (Singleton)
- POST /applicants (Singleton)
- PUT /applicants/{id} (Singleton)
- DELETE /applicants/{id} (Singleton)

These endpoints have been structured in a hierarchical manner. Access a group of applicants with the /applicants endpoint. To manipulate or access a specific applicant, use the /{id} suffix.

Prerequisite: For these endpoints to function, a database with a table named applicants is necessary. The table should have the following fields:

- id
- first_name
- last_name
- country
- username
- password

Endpoint Details:

GET /applicants (Collection)

- Returns a collection of all registered applicants.
- Usecase: Retrieving all the applicants in the system.

GET /applicants/{id} (Singleton)

- Accepts an ID and returns details of the requested applicant.
- Usecase: Fetching details of a specific applicant in the system.

POST /applicants (Singleton)

- Adds a new applicant to the table.
- Requirements:
 - Body in postman.
 - Body format: Raw
 - Data: id, first_name, last_name, country, username, password.
- Usecase: Adding a new applicant to the system.

PUT /applicants/{id} (Singleton)

- Updates an existing applicant in the table, using the ID provided in the endpoint.
- Requirements:
 - Body in postman.
 - Body format: Raw
 - Data: first_name, last_name, country, username, password.
- Usecase: Updating details of an existing applicant in the system.

DELETE /applicants/{id} (Singleton)

- Deletes an applicant from the collection using the specified ID.
- Usecase: Removing an existing applicant from the system.