


APIs Testing Fundamentals

GET vs POST vs PUT vs DELETE

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HTTP GET

- GET requests can be cached
- GET requests remain in the browser history
- GET requests can be bookmarked
- Idempotent in nature
- GET requests should never be used when dealing with sensitive data
- GET requests have length restrictions
- GET requests should be used only to retrieve data

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HTTP POST

- POST requests are never cached
- Non-Idempotent in nature
- POST requests cannot be bookmarked
- POST requests have no restrictions on data length
- Always use POST for CREATE operations.

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HTTP PUT

- Always use PUT for UPDATE operations.
- Idempotent in nature
- PUT requests cannot be bookmarked
- Though PUT is idempotent, we should not cache its response

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HTTP DELETE

- Always use DELETE for DELETE operations.
- Idempotent in nature
- Request and response data may have
- Cacheable: No
- Safe: No

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Example

- GET /fundootester/posts/{id} : To get desire post
- POST /fundootester/createPost : Create a post
- PUT /fundootester/posts/{id} : Update the post information identified by "id"
- DELETE /fundootester/posts/{id} : Delete post by "id"

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