**Test cases for application “Request Baskets”**

**API Description: Request Baskets is an open source project of a service to collect HTTP requests and inspect them via RESTful API or web UI**

**API:** <https://rbaskets.in/web>

API description: <https://any-api.com/rbaskets_in/rbaskets_in/docs/API_Description>

Test Case name: **Create new Basket**

TC ID: 001

TC type: **Verify correct application state**

Precondition: none

Test case goal: Check for new basket created

Actions:

\*Send POST request at https://rbaskets.in/api/baskets/{NameOfBasket}

\*Header Body\*

headers ={

"Content-Type": "application/json",

"User-Agent": "PostmanRuntime/7.26.5",

"Accept": "/",

"Accept-Encoding": "gzip, deflate, br",

"Connection": "keep-alive",

}

\*JSON Body\*

data = {

"forward\_url": "",

"proxy\_response": "false",

"insecure\_tls": "false",

"expand\_path": "true",

"capacity": 250

}

\*Save the created token for the basket in file

\*Check HTTP status code

Expected result: New basket should be created and opened. Status code 201 indicates that basket is successfully created

Test Case name: **Create new basket without name (negative)**

TC ID: 002

TC type: Verify correct HTTP status code

Precondition: none

Test case goal: Create new basket without a name

Actions:

\*Send POST request at <https://rbaskets.in/api/baskets/>

\* Check HTTP status code

Expected result: Error 405 Method Not Allowed

Test Case name: **Delete basket**

TC ID: 003

TC type: Verify correct HTTP status code

Precondition: Have an existing basket

Test case goal: To delete already existing basket

Actions:

\*Send DELETE request at api/baskets/{basketname}

\* Check HTTP status code

Expected result: Status code 204 No Content

Test Case name: **Get baskets statistics.**

TC ID: 004

TC Type: Verify correct HTTP status code

Precondition: Have master Token in Header Authorization

Test case goal: Get the statistics for the baskets.

Actions:

\*Send GET request at https://rbaskets.in/api/stats with valid service\_token

\*Check HTTP status code

\*Write response results to text file (receive json with baskets info)

Expected result: HTTP status code must be 200

Test Case name: **Get baskets statistics. Unauthorized**

TC ID: 005

TC Type: Verify correct HTTP status code

Precondition: Have an existing basket

Test case goal: Get the statistics for the baskets without authorization.

Actions:

\*Send GET request at https://rbaskets.in/api/stats with no service\_token

\*Check HTTP status code

Expected result: HTTP status code must be 401 Unauthorized

Test Case name: **Get baskets settings**

TC ID: 006

TC Type: Verify correct HTTP status code

Precondition:

\*Have an existing basket

\*Have header: Authorization/Token for the basket to access

Test case goal: Get the settings for the baskets.

Actions:

\*Send GET request at api/baskets/{basketname} with the basket\_token valid

\*Check HTTP status code

\*Write response results to text file (receive json with basket settings)

Expected result: HTTP status code must be 200 OK

Test Case name: **Get baskets settings,** **without an authorization token**

TC ID: 007

TC Type: Verify correct HTTP status code

Precondition: Have an existing basket

Test case goal: Get the settings for the baskets without an authorization token (negative)

Actions:

\*Send GET request at api/baskets/{basketname}

\*Check HTTP status code

Expected result: HTTP status code must be 401 Unauthorized

Test Case name: **Get baskets settings, with invalid name**

TC ID: 008

TC Type: Verify correct HTTP status code

Precondition: Have an existing basket

Test case goal: Get the settings for the baskets with invalid name (negative)

Actions:

\*Send GET request at api/baskets/{Invalid basketname}

\*Check HTTP status code

Expected result: HTTP status code must be 404 Not Found

Test Case name: **Delete basket with invalid token**

TC ID: 009

TC type: Verify correct HTTP status code

Precondition: Have an existing basket

Test case goal: To delete already existing basket without authorization (negative)

Actions:

\*Send DELETE request at api/baskets/{basketname} with invalid token

\*Check HTTP status code

Expected result: Status code 401 Unauthorized

Test Case name: **Delete invalid basket**

TC ID: 010

TC type: Verify correct HTTP status code

Precondition: none

Test case goal: To delete invalid basket(negative)

Actions:

\*Send DELETE request at api/baskets/{Invalid basketname}

\*Check HTTP status code

Expected result: Status code 404 Not Found

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Proposal for Additional Test cases:

Test Case name: **GET application service version**

TC ID: 011

TC type: Verify correct HTTP status code

Precondition: none

Test case goal: Goal is to GET service version

Actions:

\*Send GET <https://rbaskets.in/api/version>

\*Write response result to text file

\*Check HTTP status code

Expected result: application should return software version and details. Status code: 200OK

Test Case name: **Create new basket with existing name**

TC ID: 012

TC type: Verify correct HTTP status code

Precondition:

Test case goal: Create new basket with existing name(negative)

Actions:

\*Send POST request at [https://rbaskets.in/api/baskets/{existing](https://rbaskets.in/api/baskets/%7bexisting) basket name}

\*Check HTTP status code

Expected result: Failed to create basket:{existing basket name} – bucket already exists. Error 409 Conflict

Test Case name: **Update basket settings capacity**

TC ID: 013

TC type: Verify correct HTTP status code

Precondition: basket is created

Test case goal: verify that basket settings can be updated

Actions:

\*Send PUT [https://rbaskets.in/api/baskets/{name}](https://rbaskets.in/api/baskets/%7bname%7d)

\*Write response result to text file

\*Check HTTP status code

Expected result: Basket settings are updated successfully. Status code: 204 No Content.

Test Case name: **Update basket settings capacity, without basket name**

TC ID: 014

TC type: Verify correct HTTP status code

Precondition: basket is created

Test case goal: verify that basket settings can be updated (negative)

Actions:

\*Send PUT <https://rbaskets.in/api/baskets>

\*Check HTTP status code

Expected result: Basket settings are not updated. Status code: 405 Method Not Allowed

Test Case name: **Update basket settings capacity, with incorrect name**

TC ID: 015

TC type: Verify correct HTTP status code

Precondition: basket is created

Test case goal: verify that basket settings can be updated (negative)

Actions:

\*Send PUT [https://rbaskets.in/api/baskets/{incorrect\_name}](https://rbaskets.in/api/baskets/%7bincorrect_name%7d)

\*Check HTTP status code

Expected result: Basket settings are not updated. Status code: 401 Unauthorized