

# Technical Test – Quality Engineer HMM

## Test Requirements

The Document of rest api -

The endpoint is- <https://favqs.com/api>

The task is to code a suite of tests that validates the main functionality of the FAV QUOTE and LIST QUOTES endpoint. You can choose any language and technology you feel most comfortable with (bonus points for Java/Javascript). You do not need to test every use case, just the main functionality.

Please provide

1. A project that we can run which demonstrates how you validated the endpoint.  
Please document your code as you see fit to make it easily understandable.
2. Instructions on how we can compile and run the Scenarios.
3. Briefly mention some of the scenarios that you did not cover.

## Test Plan

### 1-Overview

This project is design to test the functionality of two REST endpoints.

Functionalities are -

- 1- FAV QUOTE
- 2- LIST QUOTES

### 2- Test Strategy

The test strategy that I am going to adopt in this testing is Functional Testing.

### 3-Test Deliverable

- 1-Document explaining the project.
- 2-Repository link of GitHub.

#### 4- Tools

- 1-Postman for testing the endpoints.
- 2-JavaScript for writing the test script.

### Test Scenarios

- 1.Checking the functionality of FAV QUOTE
- 2.Checking the functionality of LIST QUOTE

## Instruction to Run the Project

### Aim

Validates the main functionality of the FAV QUOTE and LIST QUOTES endpoint.

### Overview

The scope of this test is to ensure major functionalities of the module.The plan is to ensure the functionality by following a happy path.

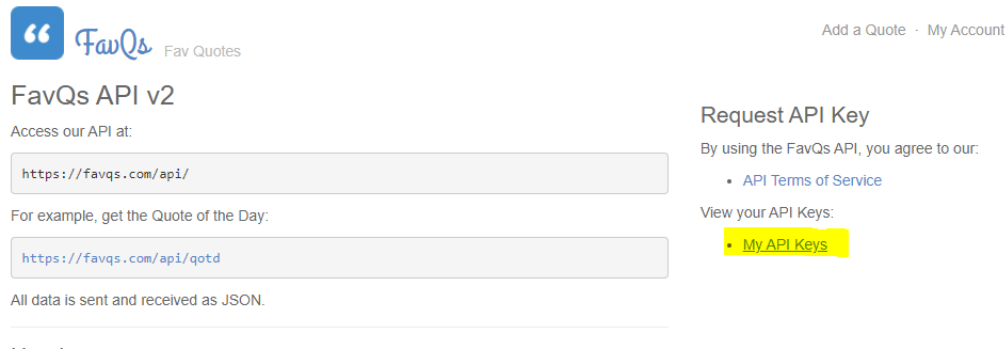
### Pre-requisites

1. The link should be accessible <https://favqs.com/api>
2. Create a user account of favQ.com
3. Install and Setup the postman.
4. Generate API key by using this link <https://favqs.com/api>

Way to generate the api key-

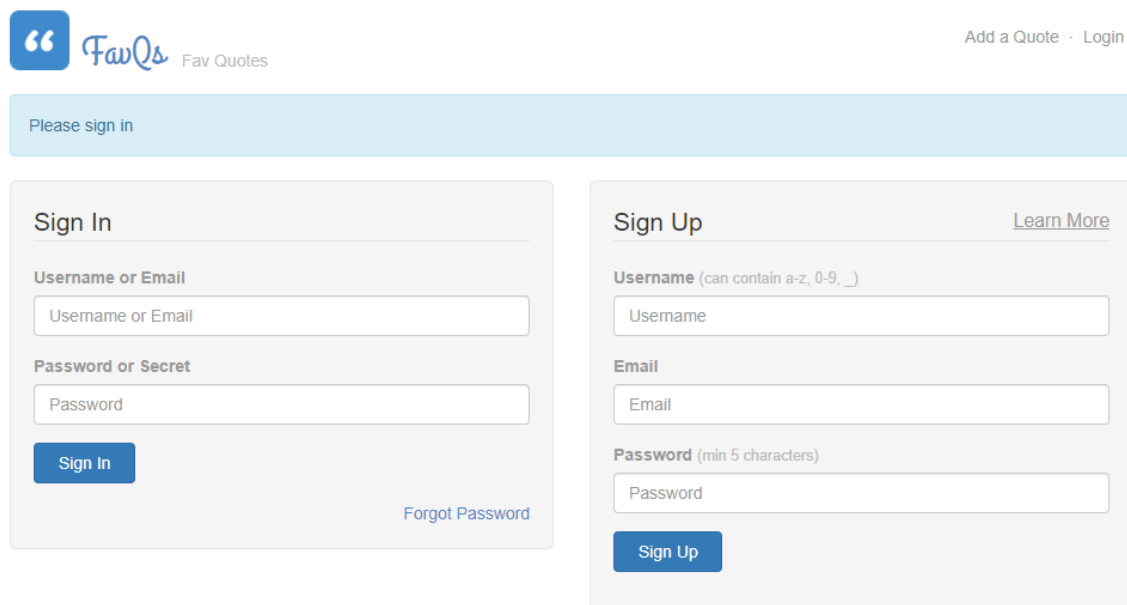
- 1- Visit the link <https://favqs.com/api>

## 2- Click on My API Keys link



The screenshot shows the FavQs API v2 interface. At the top, there's a header with the FavQs logo and links for 'Add a Quote' and 'My Account'. Below the header, the main content area is divided into two columns. The left column, titled 'FavQs API v2', contains instructions on how to access the API and examples of API calls. The right column, titled 'Request API Key', explains that by using the FavQs API, the user agrees to the terms of service and provides a link to 'API Terms of Service'. Below this, there's a section 'View your API Keys' with a link to 'My API Keys' highlighted in yellow.

3. Sign In using the given credential (email- [testing123@gmail.com](mailto:testing123@gmail.com) password- Tesing@123)  
Or you can Sign up using your own details



The screenshot shows the FavQs API v2 interface with a light blue banner at the top that says 'Please sign in'. Below the banner, there are two main sections: 'Sign In' and 'Sign Up'. The 'Sign In' section has fields for 'Username or Email' and 'Password or Secret', a 'Sign In' button, and a 'Forgot Password' link. The 'Sign Up' section has fields for 'Username' (with a note that it can contain a-z, 0-9, \_), 'Email', and 'Password' (with a note that it must be at least 5 characters), a 'Sign Up' button, and a 'Learn More' link.

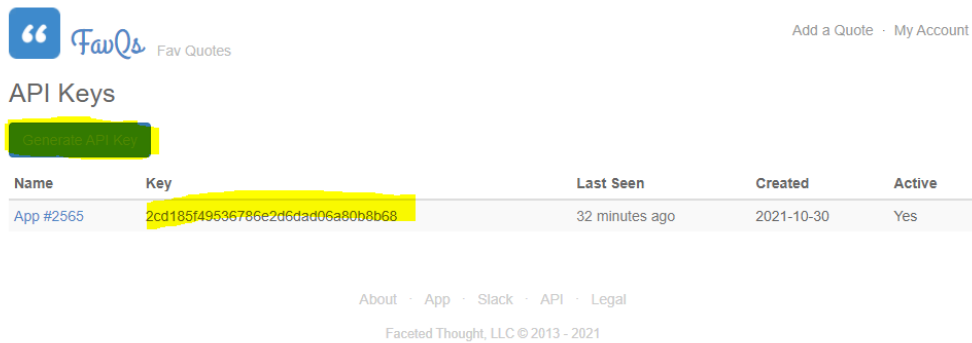
## 4. After creating an account again come back to this link and click My API Keys



This screenshot is identical to the one in block 2, showing the FavQs API v2 interface with the 'My API Keys' link highlighted in yellow in the 'View your API Keys' section.

5. After clicking on My API Keys - Following Page will open. Click on Generate API key

Button and copy the newly generated API Key



FavQs Fav Quotes

Add a Quote · My Account

### API Keys

Generate API Key

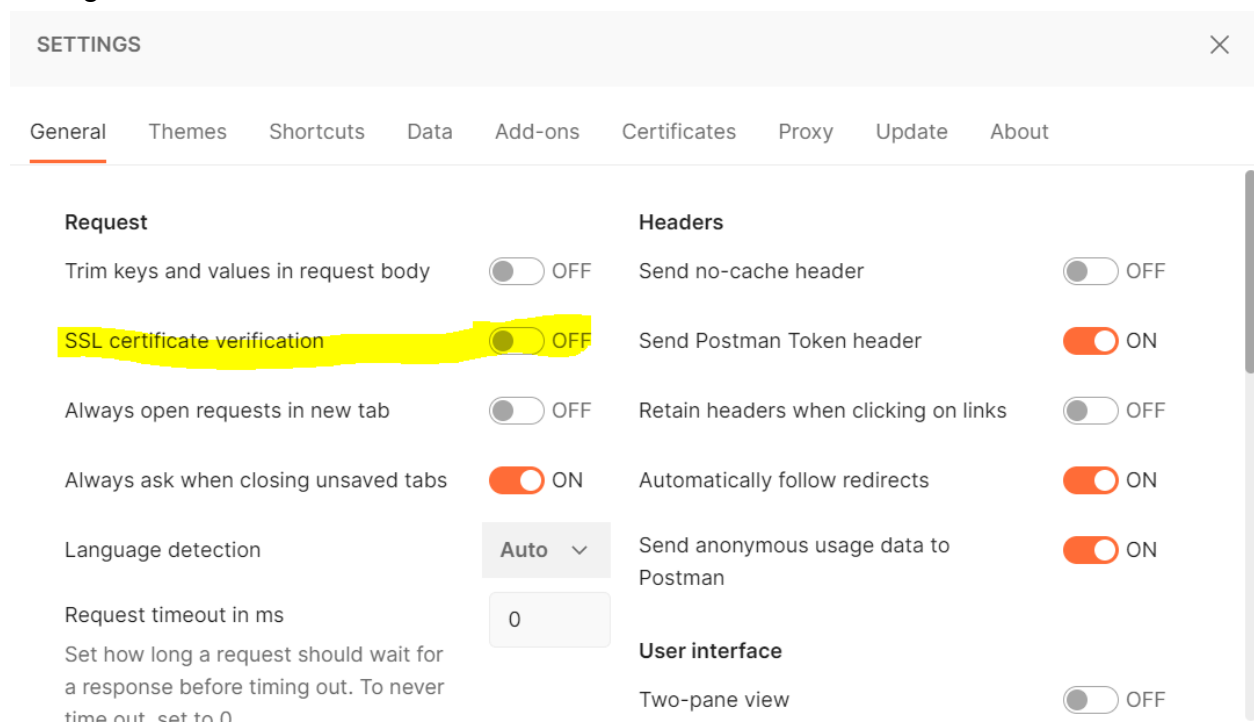
Name	Key	Last Seen	Created	Active
App #2565	2cd185f49536786e2d6dad06a80b8b68	32 minutes ago	2021-10-30	Yes

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## Instruction to run the postman collection

1. Install Postman Version 8.12.2 or higher.
2. Open postman and, If required turn off SSL certification verification by going to setting



SETTINGS

General Themes Shortcuts Data Add-ons Certificates Proxy Update About

#### Request

Trim keys and values in request body ☐ OFF

SSL certificate verification ☒ OFF

Always open requests in new tab ☐ OFF

Always ask when closing unsaved tabs ☒ ON

Language detection

Request timeout in ms

Set how long a request should wait for a response before timing out. To never time out, set to 0

#### Headers

Send no-cache header ☐ OFF

Send Postman Token header ☒ ON

Retain headers when clicking on links ☐ OFF

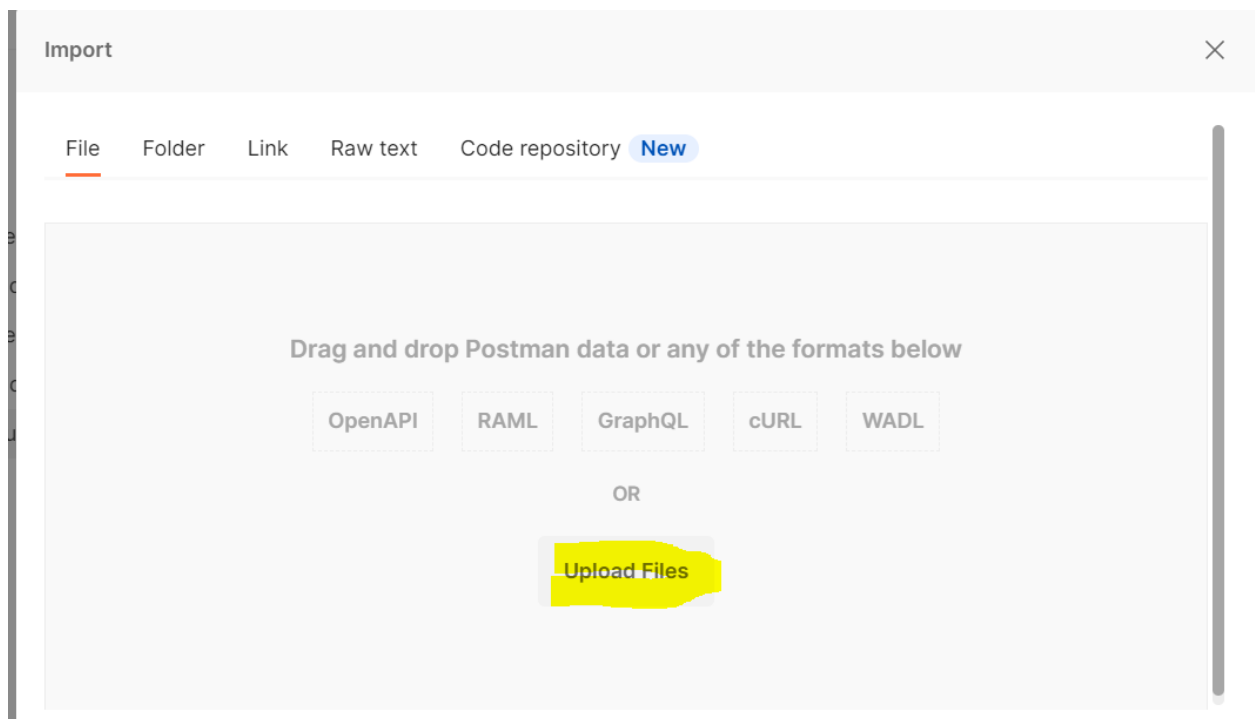
Automatically follow redirects ☒ ON

Send anonymous usage data to Postman ☒ ON

#### User interface

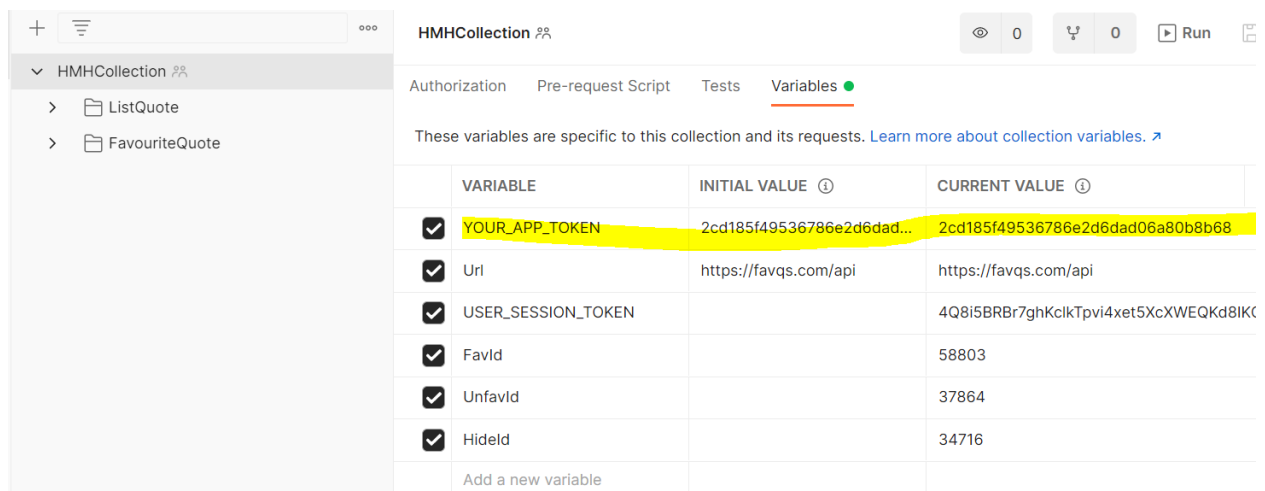
Two-pane view ☐ OFF

3.click on file->import and upload the given collection  
HMHCollection.postman\_collection.json file

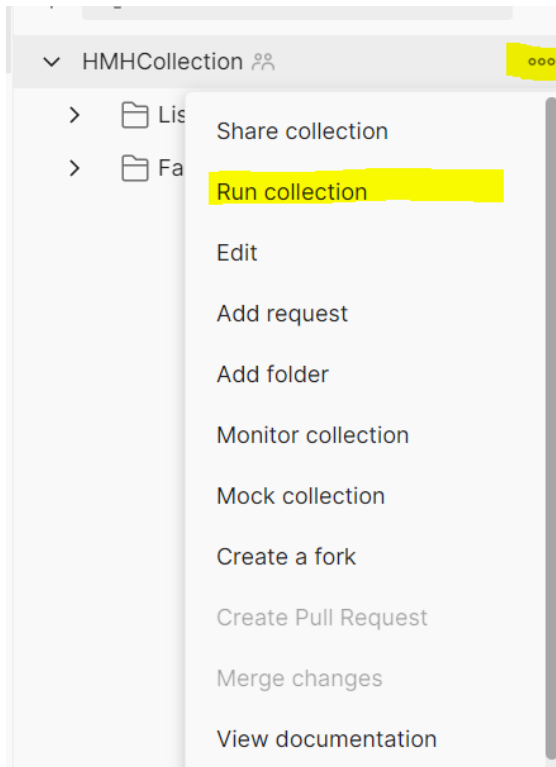


4.Refer [pre-requisite](#) to generate the API key

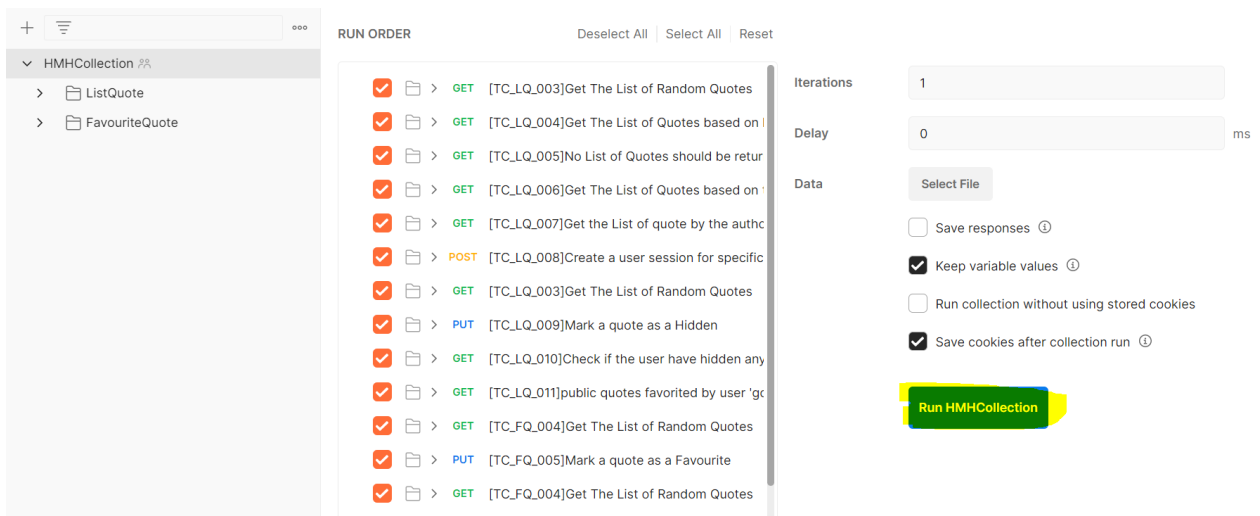
5.Go to HMHCollection collection level variable and Paste the Generated API key in Initial value and Current Value of the variable YOUR\_APP\_TOKEN



6. Click on the 3 dots next to HMHCollection and click on Run Collection



7. Click on Run HMHCollection



## **Scenarios not covered**

1. I wanted to check whether a favourite quote already marked as favourite shows any message as “ already added to favourite”. But the fav endpoint didn't display any message and again marked it as favourite. Same was the scenario for unfavourite.

So I was not able to check unhappy path for Fav and Unfav endpoints

2. I was not able to cover scenarios which required PRO user session as it was paid version for 1 year subscription

Following are the request which I was not able to validate

**Get the private quotes of the current user (pro session required):**

**GET <https://favqs.com/api/quotes/?private=1>**

**Search for private quotes of the current user session that contain the words "little book":**

**GET <https://favqs.com/api/quotes/?filter=little+book&private=1>**