**Student Number: \_A00287789\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Web Development 3 – Write Up for Sprint#0**

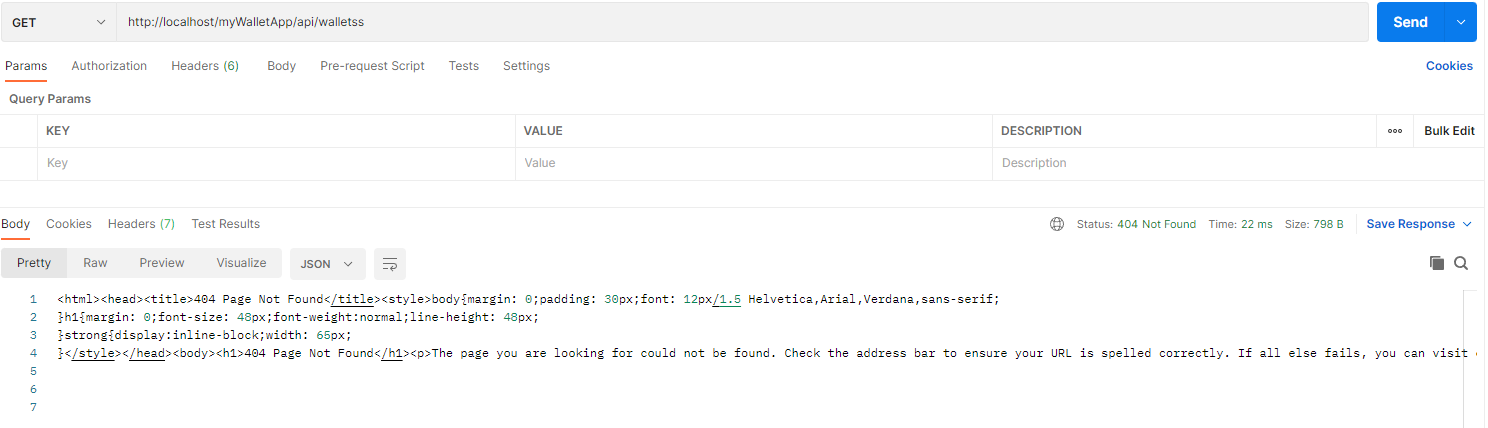
Sprint #0 Stories

1. As an API Consumer, I want to retrieve data in JSON format for all tokens, so that I can use the data in my client application.
2. As an API Consumer, I want to retrieve data in JSON format for one token based on its ID, so that I can use the data in my client application.
3. As an API Consumer, I want to retrieve a list of data in JSON format for a specified token, so that I can use the data in my client application.
4. As an API Consumer, I want to delete a Token, so that I can remove unwanted entries through my client application.
5. As an API Consumer, I want to update details for each token, so that the data in the list of information is up to date in my client application.
6. As an API Consumer, I want to add new items to the list of wallets, so that I can introduce new tokens to my client application.
7. As an API Consumer, I want to retrieve data in JSON format for all users, so that I can use the data in my client application.
8. As an API Consumer, I want to retrieve data in JSON format for one user based on their ID, so that I can use the data in my client application.
9. As an API Consumer, I want to retrieve a list of users in JSON format for a specified name, so that I can use the data in my client application.
10. As an API Consumer, I want to delete a user, so that I can remove unwanted accounts through my client application.
11. As an API Consumer, I want to update details for each user, so that I can keep the list of information up to date in my client application.
12. As an API Consumer, I want to add a new user to the list of users, so that I can have new users in my client application.

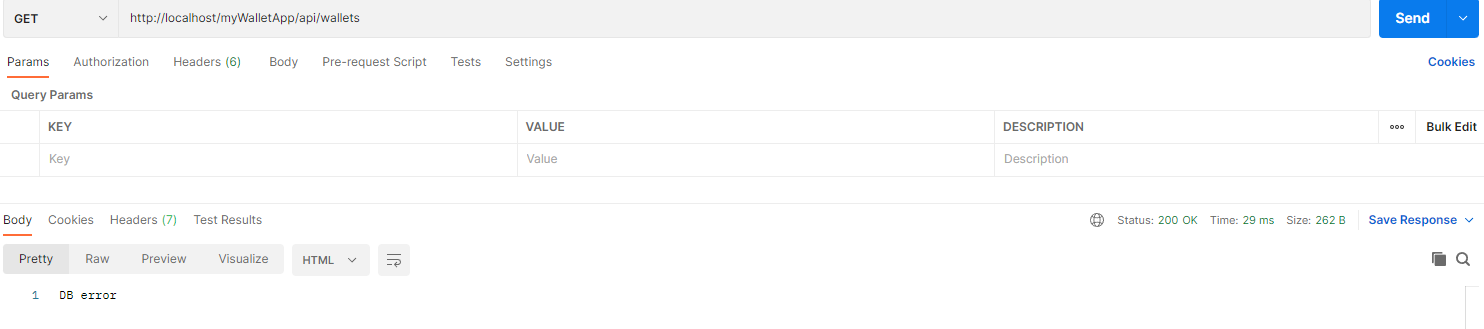
Test Documentation

# Manual Testing

|  |  |
| --- | --- |
| User Story | General – Applies to All |
| Test Case ID | 1 |
| Description | Using an invalid URL |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set GET request 2. Enter URL http://localhost /myWalletApp/api/walletss/ 3. Press send |
| Then | 1. HTTP Response 404 Not Found |
| Test Status | Passed |

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| --- | --- |
| User Story | General – Applies to all |
| Test Case ID | 2 |
| Description | Database server is unavailable |
| Given | 1. The Application Server is running 2. The Database Server is stopped 3. Postman REST Client Opened |
| When | 1. Set GET request 2. Enter URL http://localhost /myWalletApp/api/wallets/ 3. Press send |
| Then | 1. HTTP Response 200 ok |
| Test Status | Passed |

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| --- | --- |
| User Story 1 | As an API Consumer, I want to retrieve data in JSON format for all tokens, so that I can use the data in my client application. |
| Test Case ID | 3 |
| Description | Retrieve data for all wallets – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set GET request 2. Enter URL http://localhost /myWalletApp/api/wallets/ 3. Press send |
| Then | 1. HTTP Response 200 OK 2. All database entries are displayed in JSON format |
| Test Status | Passed |

**Graphical user interface, text, application, email

Description automatically generated**

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| --- | --- |
| User Story 2 | As an API Consumer, I want to retrieve data in JSON format for one token based on its ID, so that I can use the data in my client application. |
| Test Case ID | 4 |
| Description | Retrieve data based on ID – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set GET request 2. Enter URL http://localhost /myWalletApp/api/wallets/1/ 3. Press send |
| Then | 1. HTTP Response 200 OK 2. Details for wallet displayed corresponding to entered ID |
| Test Status | Passed |

Graphical user interface, text, application, email, Teams

Description automatically generated

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| User Story 3 | As an API Consumer, I want to retrieve a list of data in JSON format for a specified token, so that I can use the data in my client application. |
| Test Case ID | 5 |
| Description | Retrieve data based on Token name - Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set GET request 2. Enter URL  http://localhost /myWalletApp/api/wallets/search/BRUSH/ 3. Press send |
| Then | 1. HTTP Response 200 ok 2. Details for wallet displayed corresponding to entered Token |

Graphical user interface, text, application, email, Teams

Description automatically generated

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| --- | --- |
| User Story 4 | As an API Consumer, I want to delete a token, so that I can remove unwanted entries through my client application. |
| Test Case ID | 6 |
| Description | DELETE entry based on ID – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set DELETE request 2. Enter URL [http://localhost /myWalletApp/api/wallets/2/](http://localhost:8080/FishGarden-app/rest/fish) 3. Press send |
| Then | 1. HTTP Response 200 OK 2. Entry in database successfully deleted according to entered ID |
| Test Status | Passed |

Original Table:

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, Teams

Description automatically generated

Graphical user interface, text, application, email

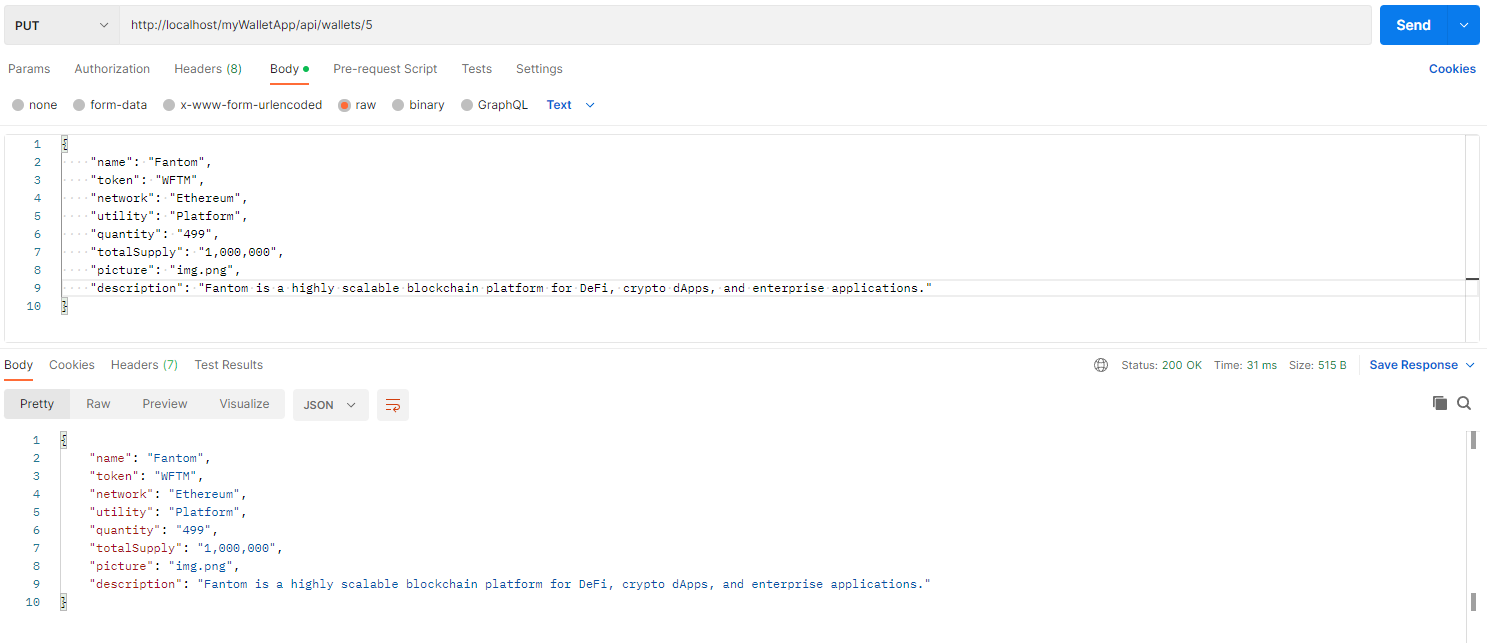
Description automatically generatedUpdated Table:

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| --- | --- |
| User Story 5 | As an API Consumer, I want to update details for each token, so that I can keep the list of information up to date in my client application. |
| Test Case ID | 7 |
| Description | Update data based on ID – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set PUT request 2. Enter URL [http://localhost /myWalletApp/api/wallets/5/](http://localhost:8080/FishGarden-app/rest/fish) 3. Enter altered data into Body 4. Press send |
| Then | 1. HTTP Response 200 OK 2. Update details for wallet displayed corresponding to entered ID |
| Test Status | Passed |

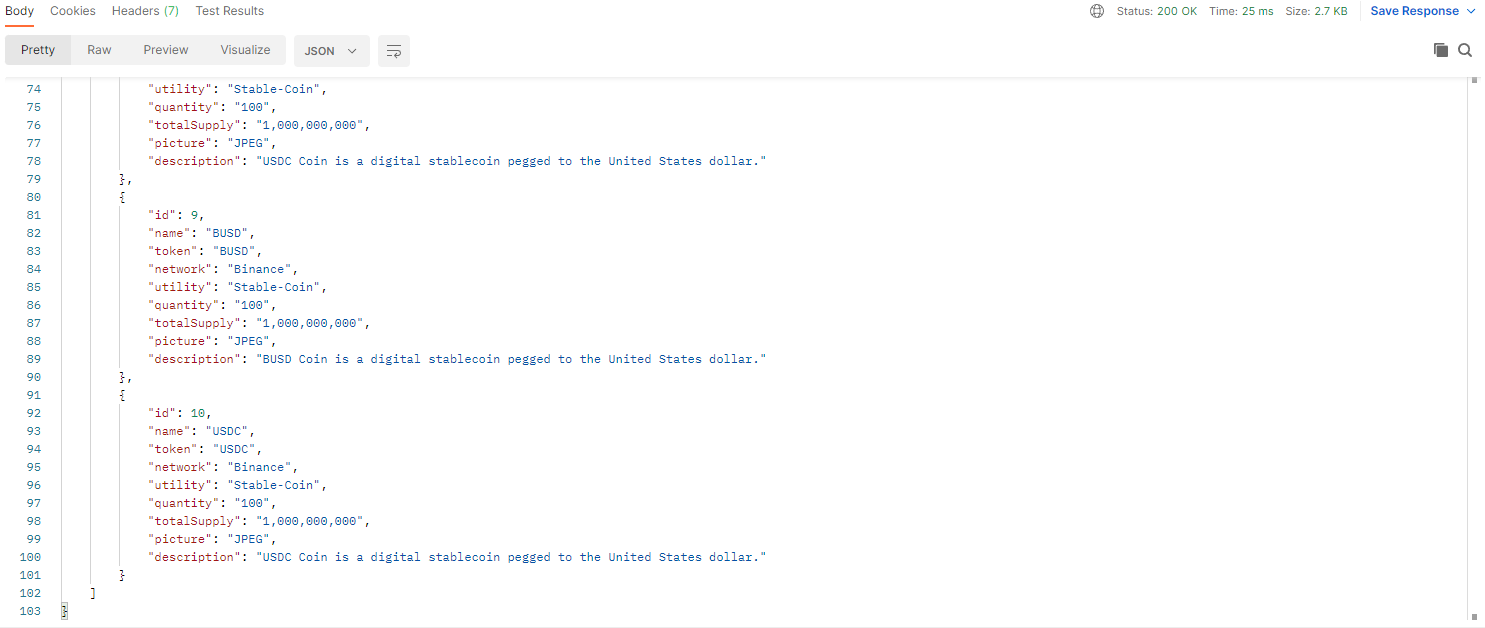
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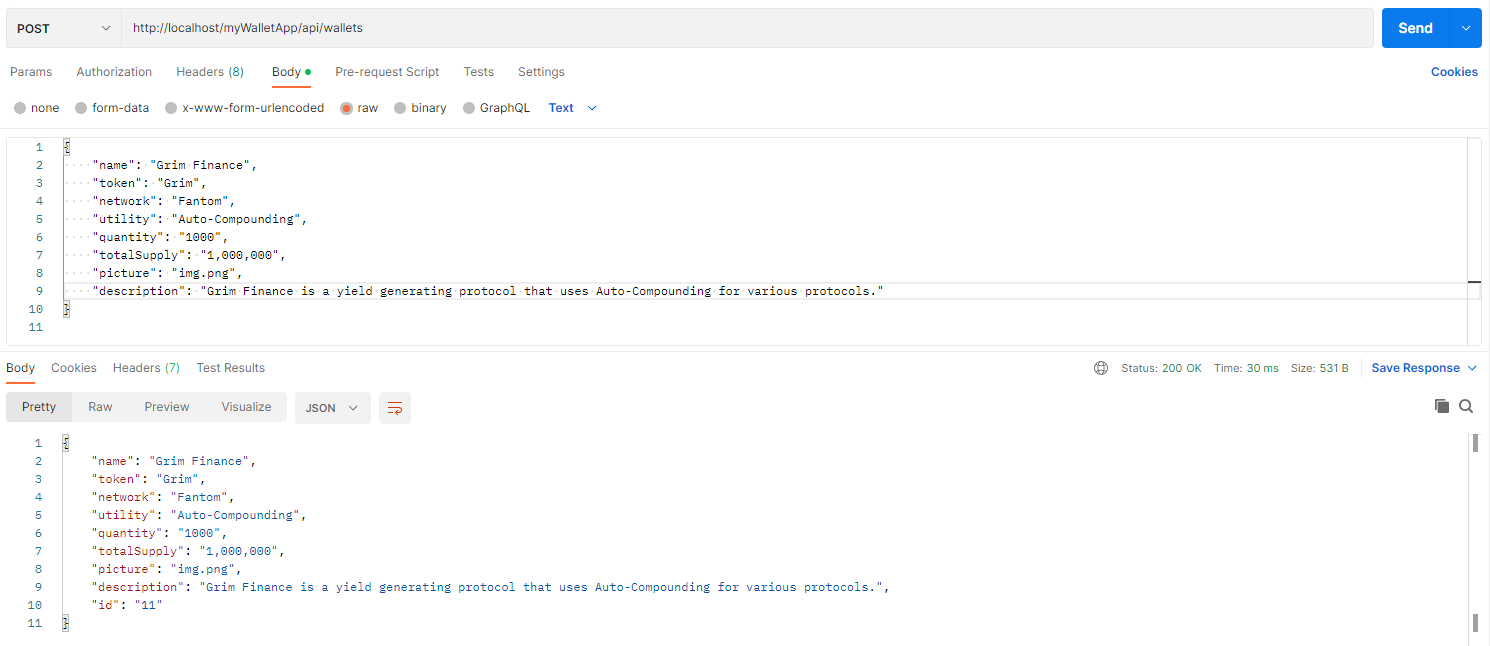


Updated Entry:

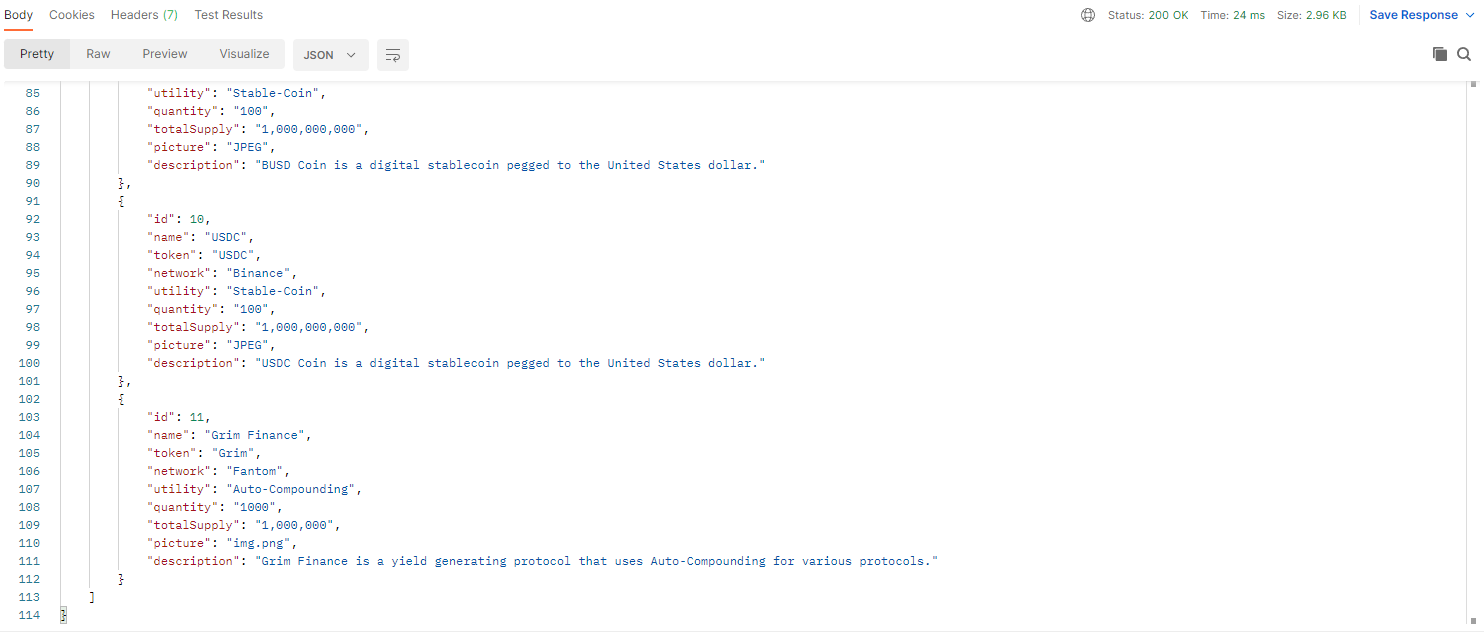


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| User Story 6 | As an API Consumer, I want to add items to the list of wallets, so that I can introduce new tokens in my client application. |
| Test Case ID | 8 |
| Description | Add data to database – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set POST request 2. Enter URL http://localhost /myWalletApp/api/wallets/ 3. Enter new data into Body 4. Press send |
| Then | 1. HTTP Response 200 OK 2. Data successfully added to database |
| Test Status | Passed |

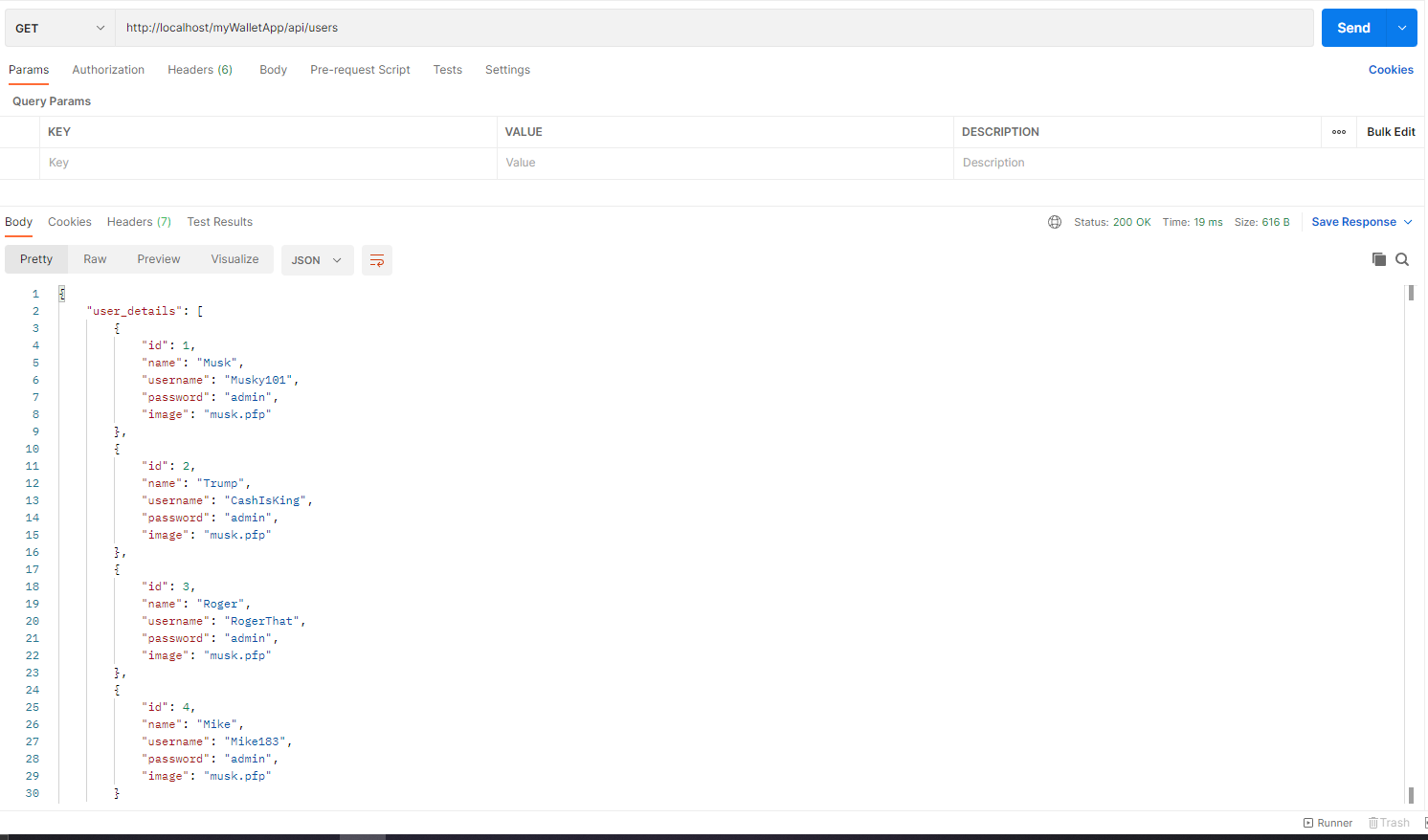
Original Table:



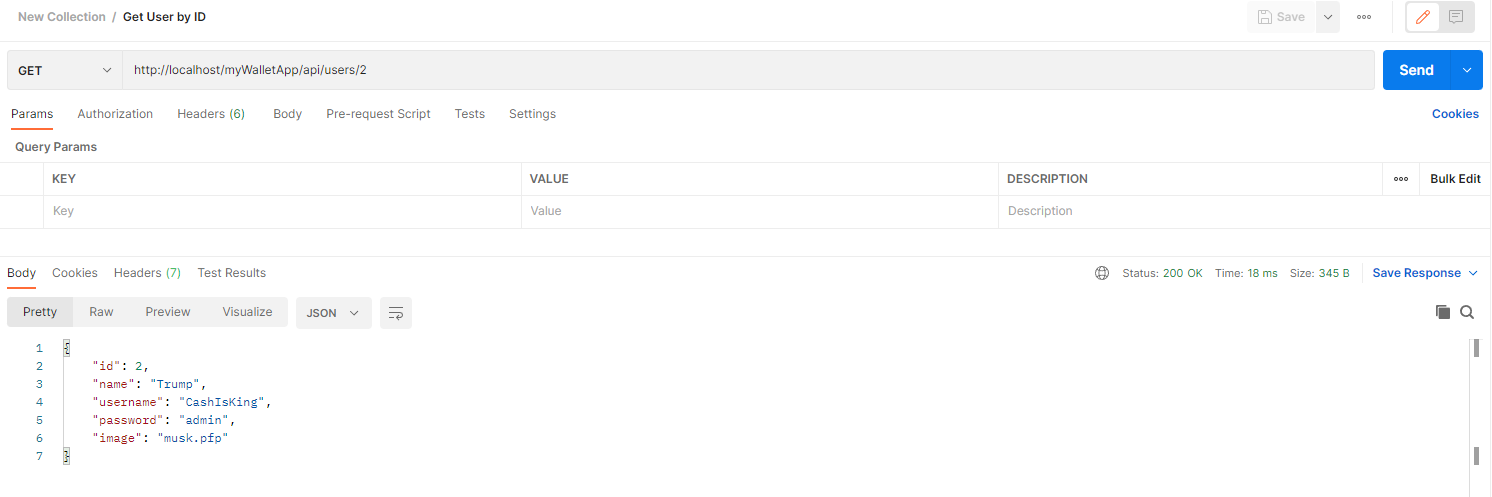
Updated Table:



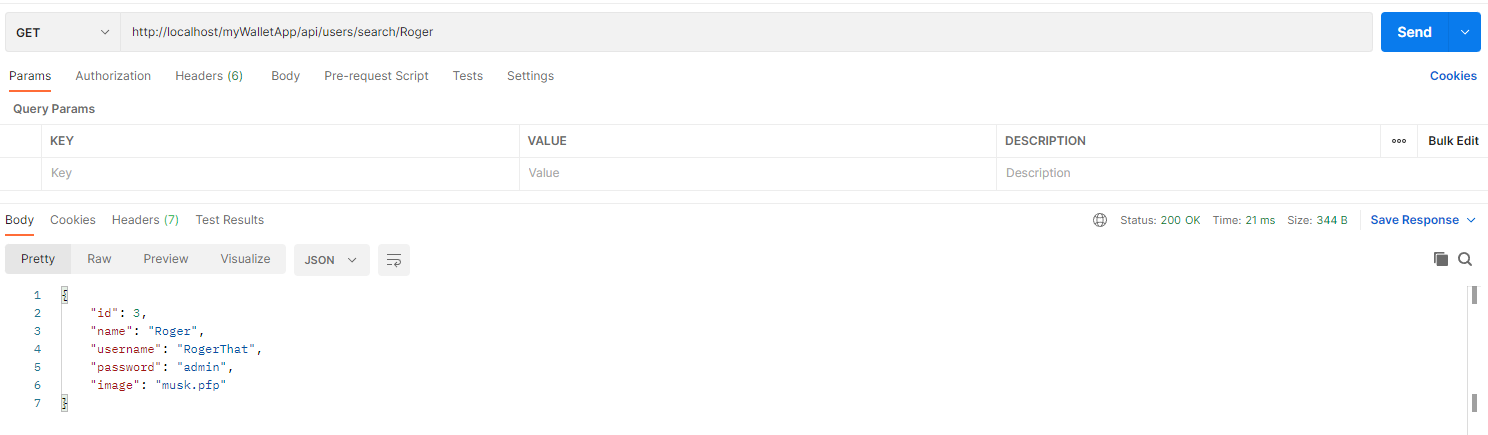
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| --- | --- |
| User Story 7 | As an API Consumer, I want to retrieve data in JSON format for all users, so that I can use the data in my client application. |
| Test Case ID | 9 |
| Description | Retrieve data for all users – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set GET request 2. Enter URL http://localhost /myWalletApp/api/users/ 3. Press send |
| Then | 1. HTTP Response 200 OK 2. All database entries are displayed in JSON format |
| Test Status | Passed |



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| --- | --- |
| User Story 8 | As an API Consumer, I want to retrieve data in JSON format for one user based on their ID, so that I can use the data in my client application. |
| Test Case ID | 10 |
| Description | Retrieve data based on ID – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set GET request 2. Enter URL http://localhost /myWalletApp/api/users/2/ 3. Press send |
| Then | 1. HTTP Response 200 OK 2. Details for user displayed corresponding to entered ID |
| Test Status | Passed |

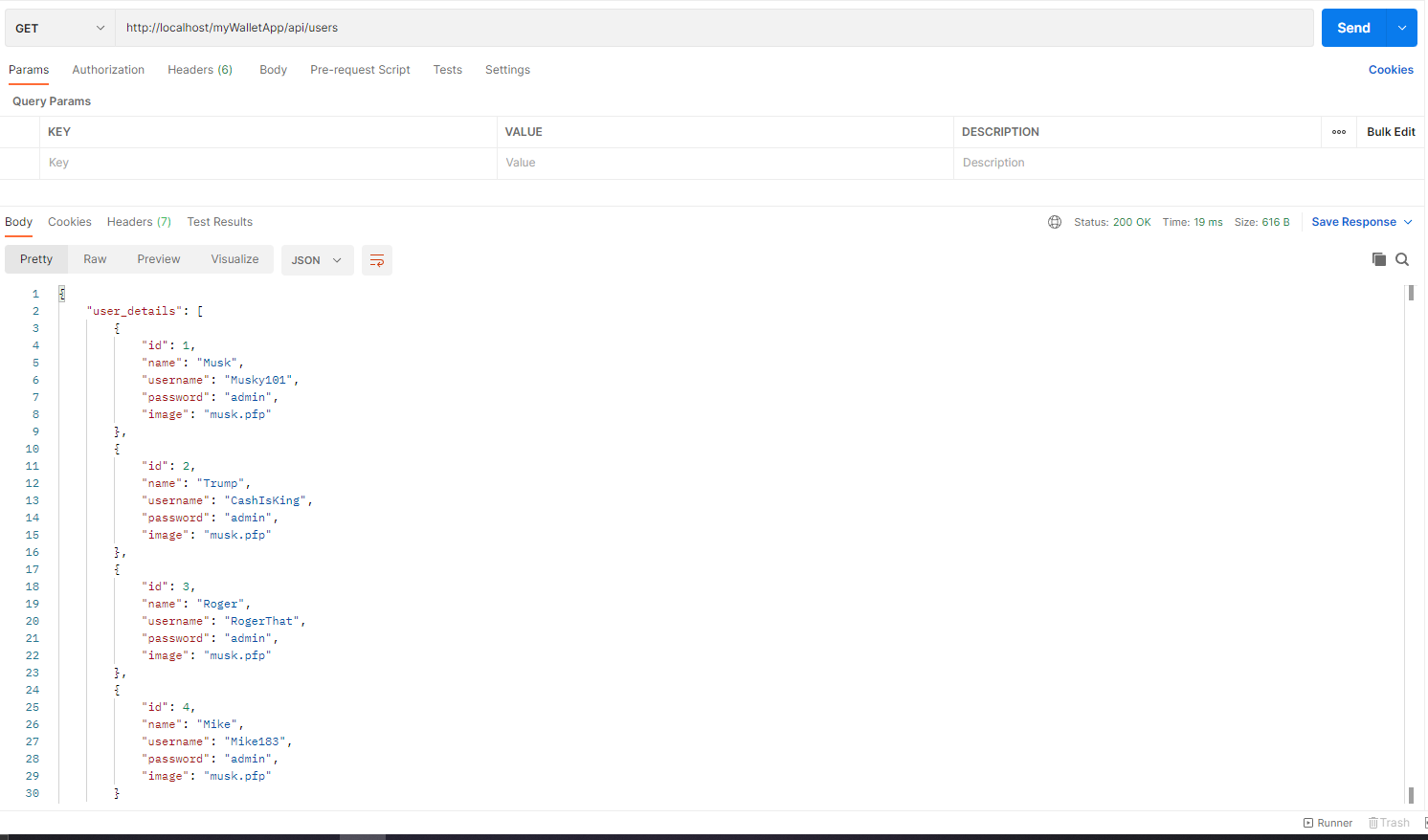


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| --- | --- |
| User Story 9 | As an API Consumer, I want to retrieve a list of users in JSON format for a specified name, so that I can use the data in my client application. |
| Test Case ID | 11 |
| Description | Retrieve user data based on name – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set GET request 2. Enter URL  http://localhost /myWalletApp/api/users/search/Roger/ 3. Press send |
| Then | 1. HTTP Response 200 2. Details for user displayed corresponding to entered name |
| Test Status | Passed |



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| --- | --- |
| User Story 10 | As an API Consumer, I want to delete a user, so that I can remove unwanted entries through my client application. |
| Test Case ID | 12 |
| Description | DELETE entry based on ID – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set DELETE request 2. Enter URL [http://localhost /myWalletApp/api/users/4/](http://localhost:8080/FishGarden-app/rest/fish) 3. Press send |
| Then | 1. HTTP Response 200 OK 2. Entry in database successfully deleted according to entered ID |
| Test Status | Passed |

Original Table:



Graphical user interface, application

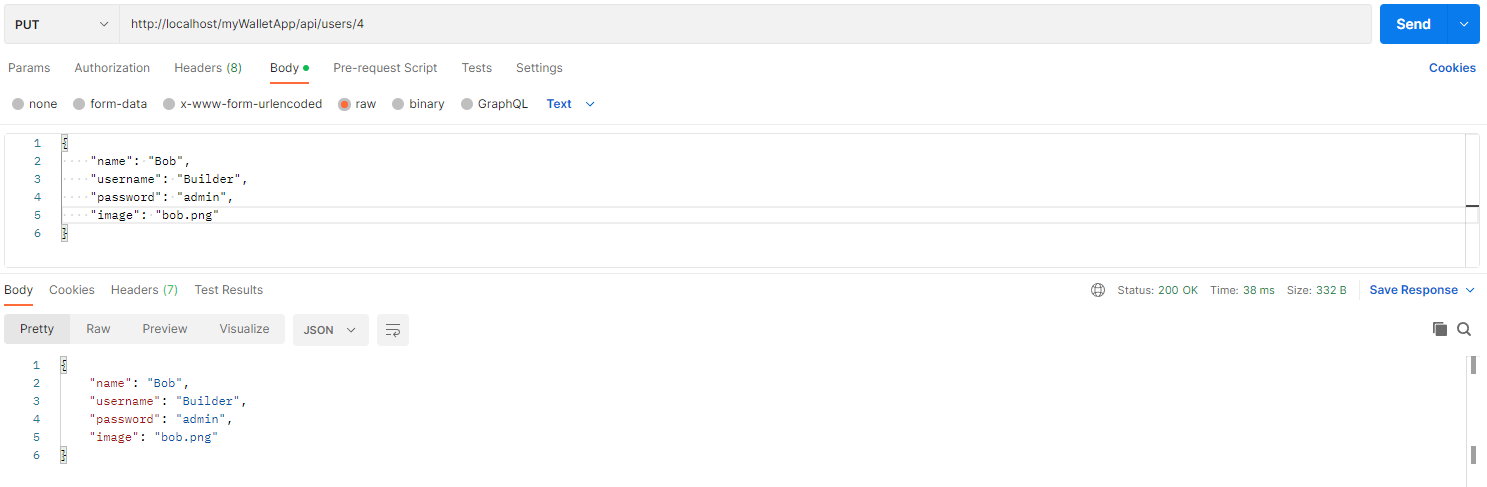
Description automatically generated

Updated Table:



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| --- | --- |
| User Story 11 | As an API Consumer, I want to update details for each user, so that I can keep the list of information up to date in my client application. |
| Test Case ID | 13 |
| Description | Update data based on ID – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set PUT request 2. Enter URL http://localhost /myWalletApp/api/users/4/ 3. Enter altered data into Body 4. Press send |
| Then | 1. HTTP Response 200 OK 2. Update details for user displayed corresponding to entered ID |
| Test Status | Passed |

Original Entry:



Updated Entry:

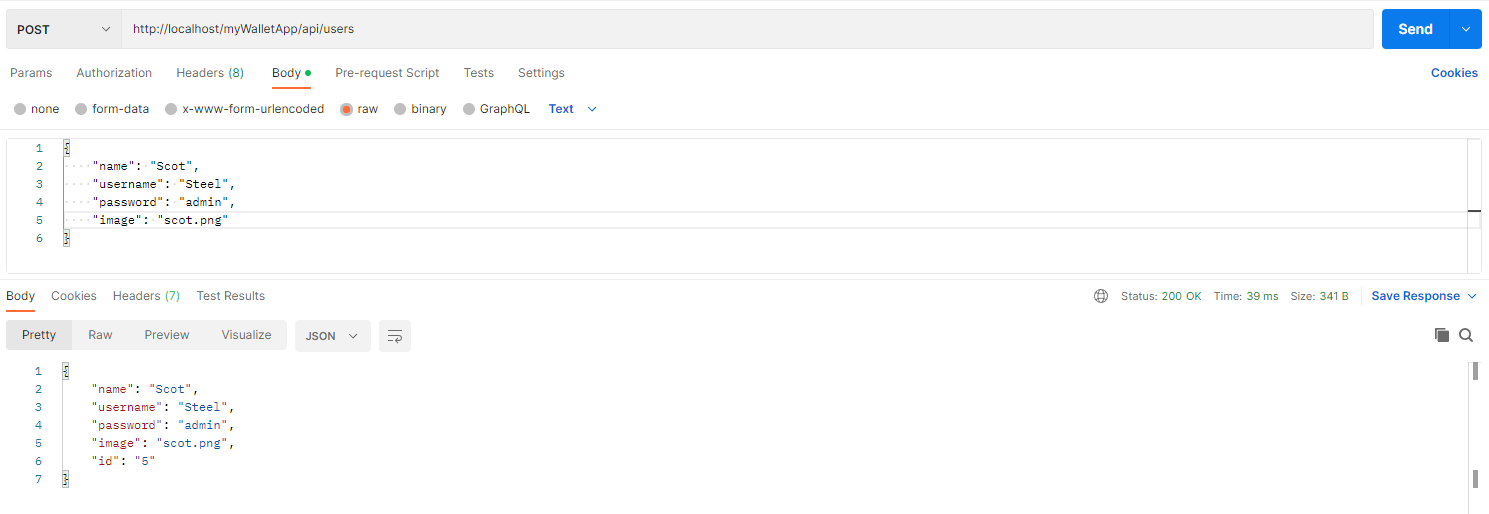


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| --- | --- |
| User Story 12 | As an API Consumer, I want to add people to the list of users, so that I can introduce new users in my client application. |
| Test Case ID | 14 |
| Description | Add data to database – Success |
| Given | 1. The Application Server and Database Server is running 2. Postman REST Client Opened |
| When | 1. Set POST request 2. Enter URL http://localhost /myWalletApp/api/users/ 3. Enter new data into Body 4. Press send |
| Then | 1. HTTP Response 200 OK 2. Data successfully added to database |
| Test Status | Passed |

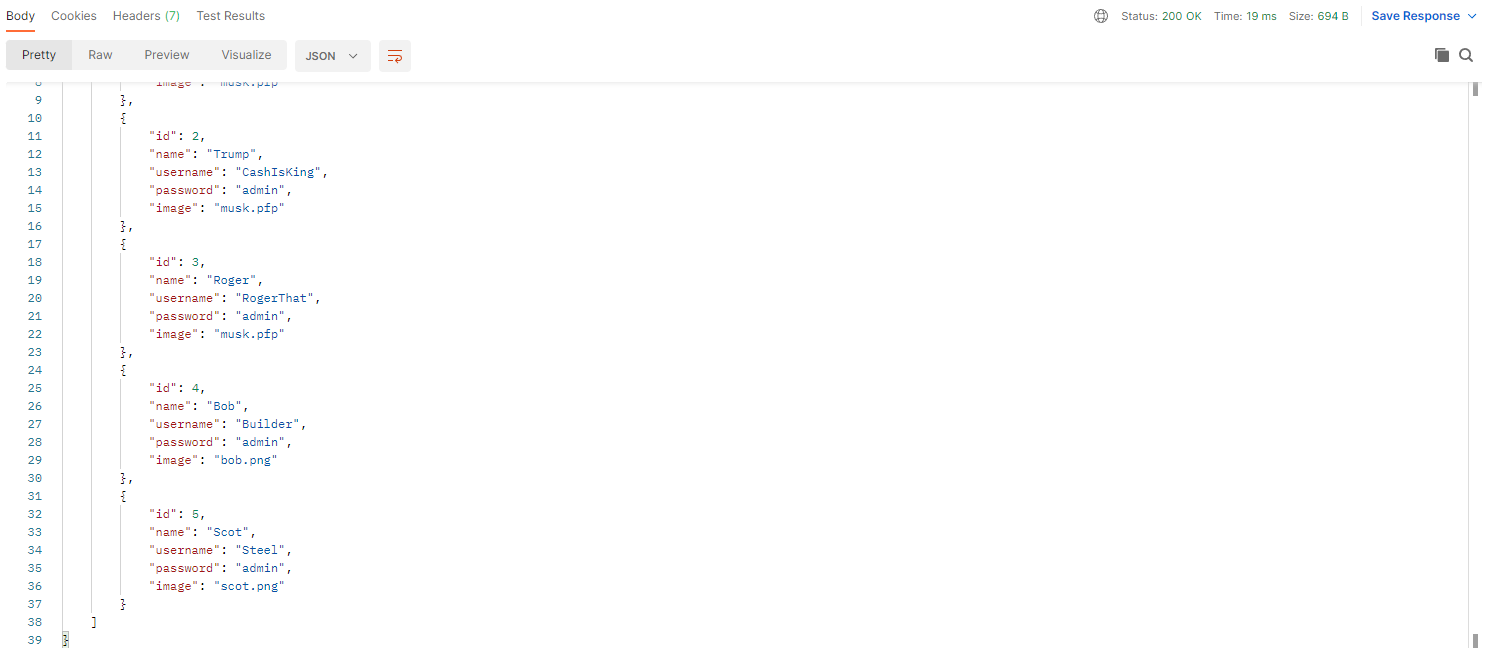
Original Table

A picture containing graphical user interface

Description automatically generated



Updated Table:



# Test Report Summary

|  |  |  |
| --- | --- | --- |
| **Test Type** | **Number Passed** | **Number Failed** |
| Manual | 14 | 0 |
| Automated | 0 | 0 |

# Bug Report

Could not get the “HTTP Response 500 Internal Server Error” response