Manual Test Plan for sp21-CS242-assignment 2.2

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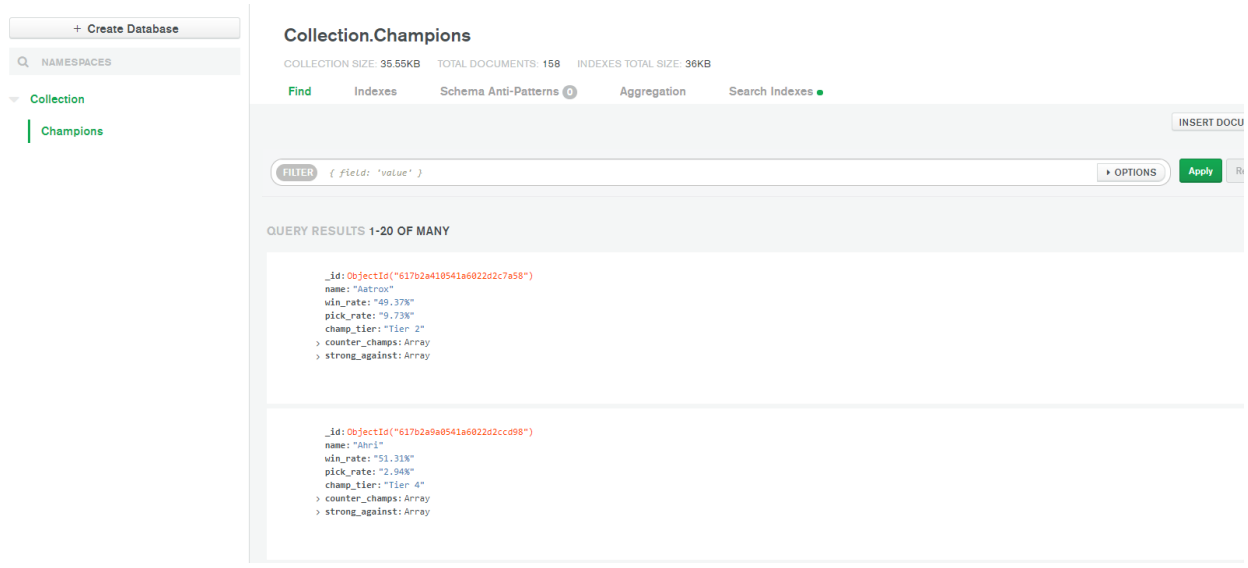
Environment Setup

- **Python 3.0**
- **unittest**
- **Javascript**
- **HTML**
- **D3 and svg**
- **Eclipse - 4.20.0**
- **Windows 10**

Test : Scraping/Database Handling
Test 1.1 Basic Program Run

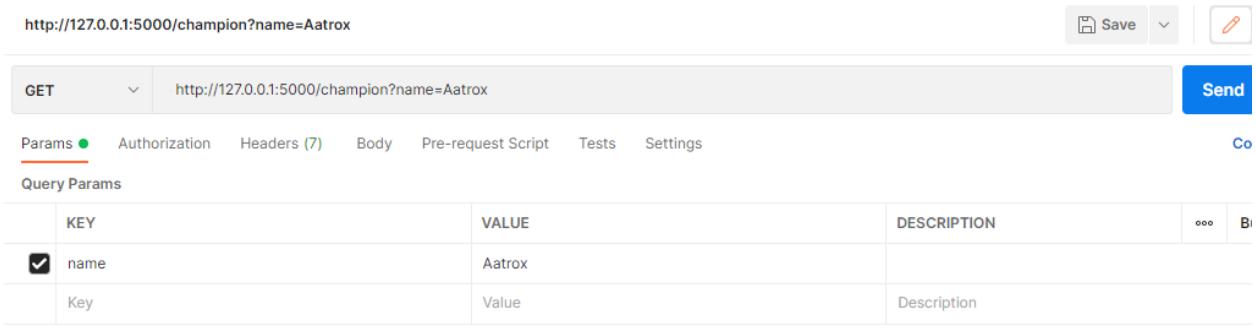
```python
from scraper import Scraper
import time
from database import get_key
from database import database_handler

"""
Implements the scraping of data of all the champions from op.gg
each champions data is based off their current meta role
e.g aatrox meta role is top lane so we scrape data based of his top lane stats
"""
def main():
    s = Scraper()
    arr = s.scrape_champion_links()
    c_counter = 0
    N = len(arr)
    while(c_counter < N):
        retArr = s.scrape_champion_page(arr[c_counter])
        if retArr is None:
            continue
        c_counter+=1;
        time.sleep(10)
        database_handler(retArr)

if __name__ == "__main__":
    main()
```

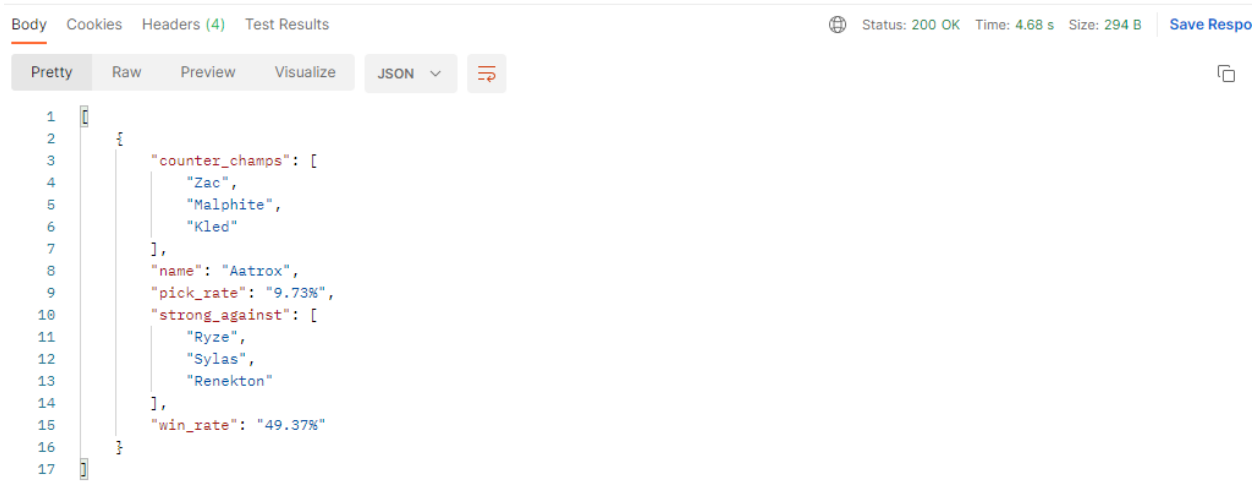


@Test 1.1

- **Users can run the python module ‘scraper_exe’ to execute the Scraper class functionality and push all champions listed on the website op.gg to the MongoDB database.**

Test - API Requests
Test 1.2 - Get Request

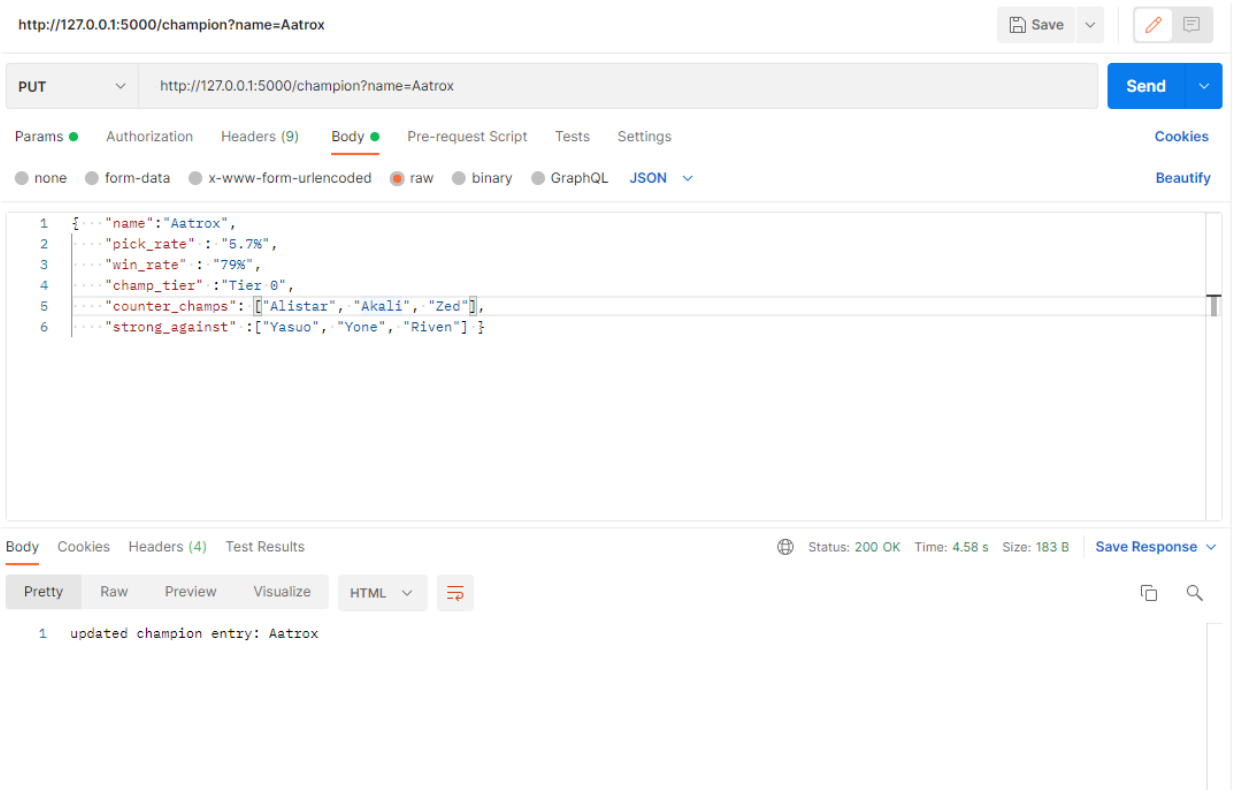




@Test 1.2

- **Users can use the GET API Request by first entering the command ‘set FLASK_APP=src/api’ and then flask run to start the local server.**
- **Specify the Request to be GET and then enter a champion’s name to start the request. Upon a valid name being given, the json object should contain all the fields that are in the MongoDB database.**

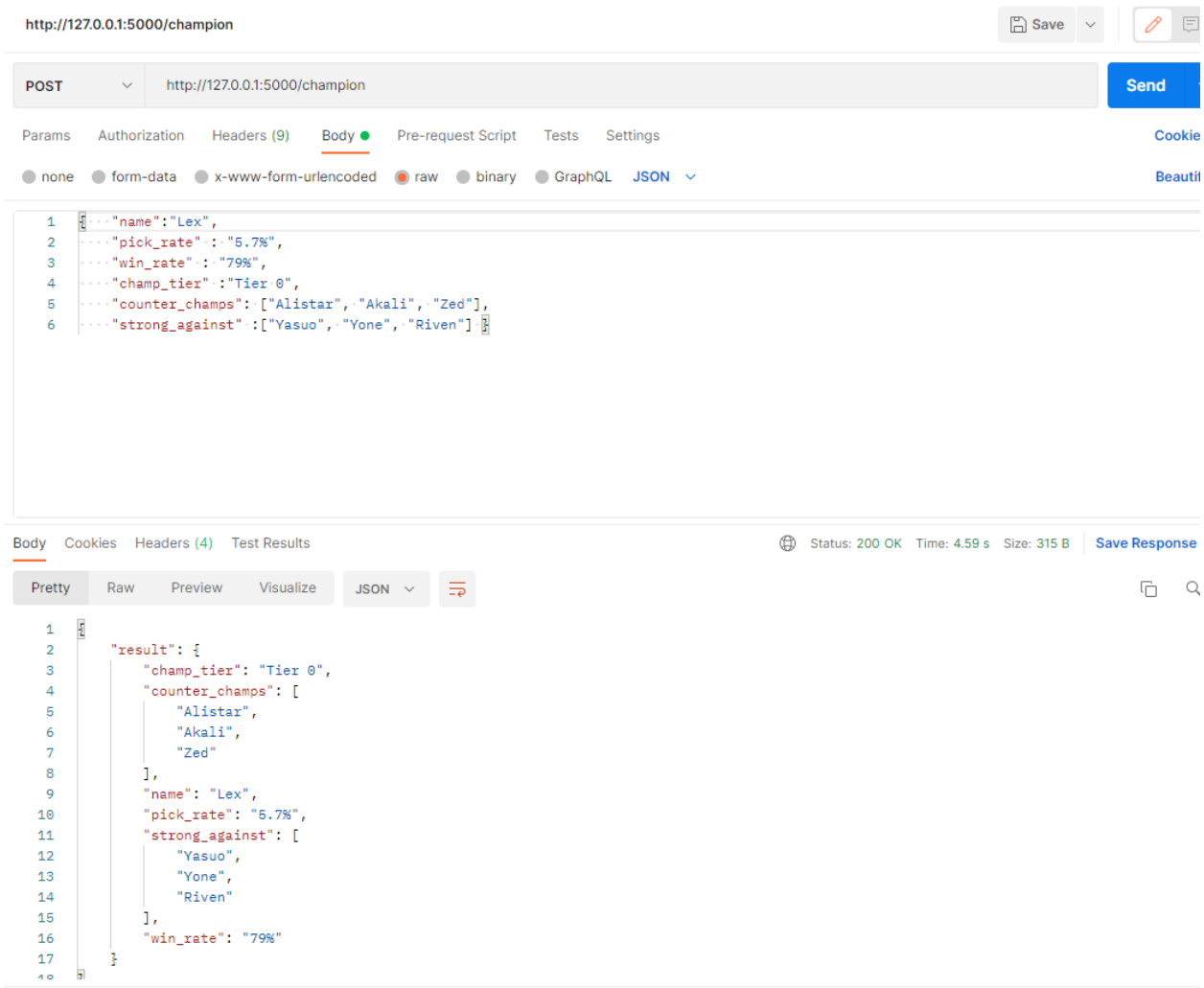
Test 1.3 - Put Request



@Test 1.3

- **Users can use the PUT API Request by first entering the command ‘set FLASK_APP=src/api’ and then flask run to start the local server.**
- **Specify the Request to be PUT and then enter a champion’s name to start the request. Upon a valid name being given along with a valid json object that updates any or all fields, the server will return a message depending on if the request was successful.**

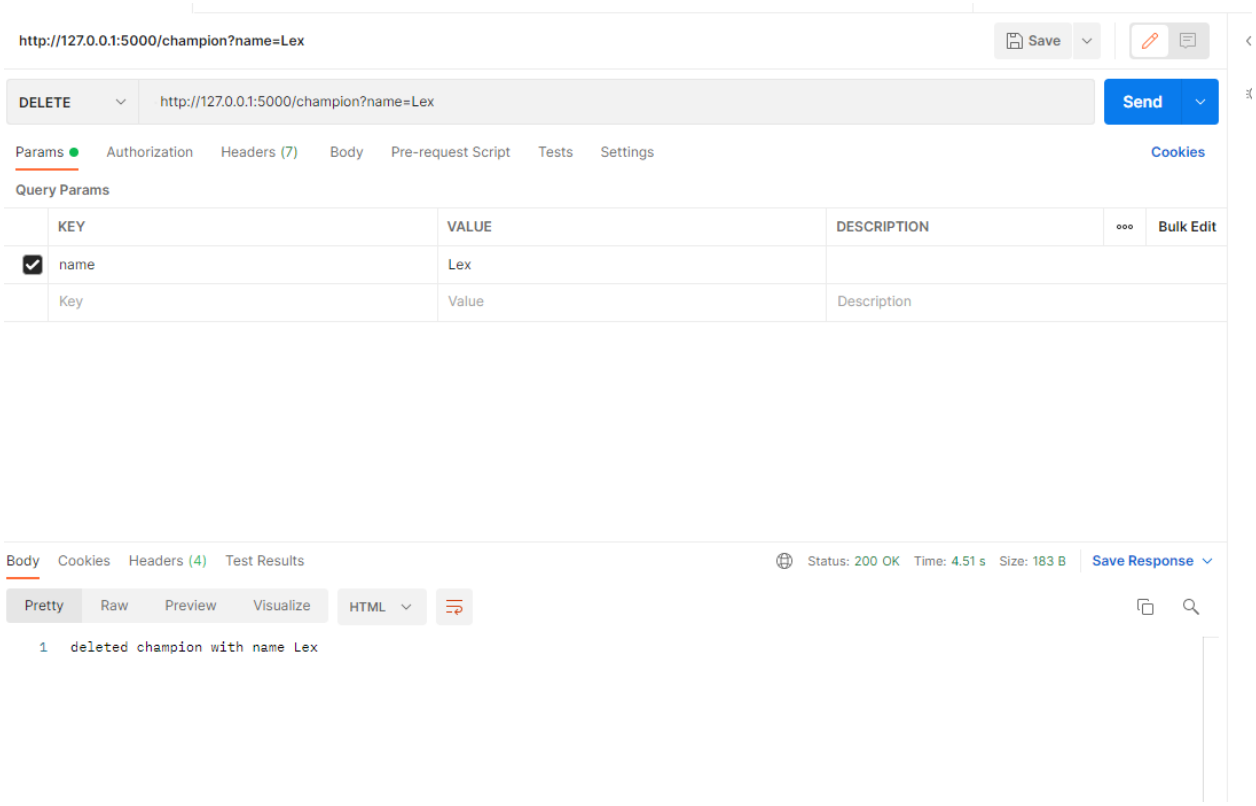
Test 1.4 - Post Request



@Test 1.4

- **Users can use the POST API Request by first entering the command ‘set FLASK_APP=src/api’ and then flask run to start the local server.**
- **Specify the Request to be DELETE and then enter a champion’s name to start the request. Upon a valid name being given, the**

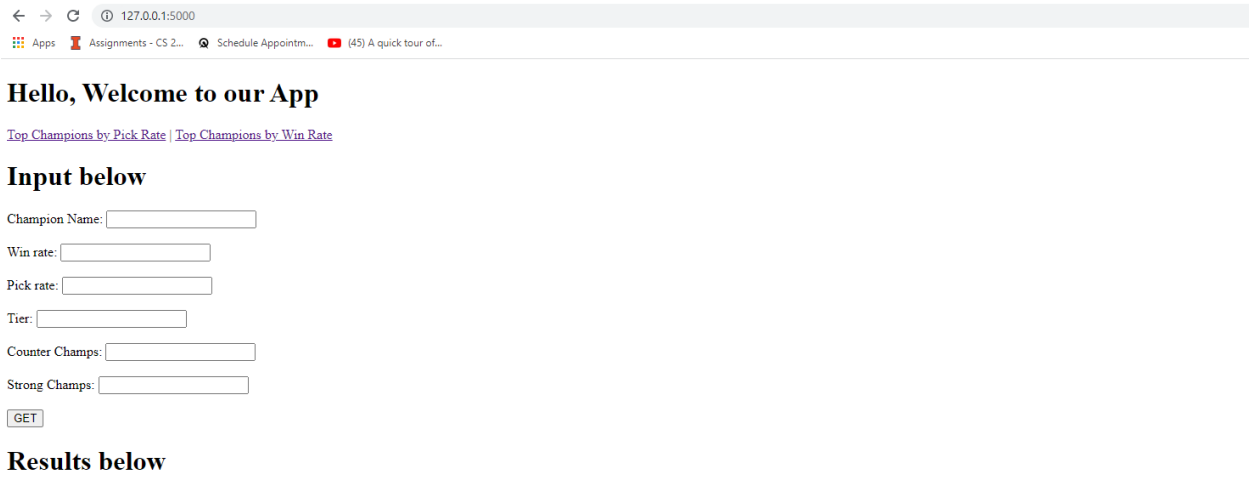
Test 1.4 - Delete Request



@Test 1.4

- **Users can use the DELETE API Request by first entering the command ‘set FLASK_APP=src/api’ and then flask run to start the local server.**
- **Specify the Request to be DELETE and then enter a champion’s name to start the request. Upon a valid name being given, the MongoDB database will delete the specified entry by name and return a message depending on if the request was successful.**

Test - UI
Test 1.5 - Static UI



@Test 1.5

- **Static UI home page that is yet to be connected to the backend query parser that has been implemented.**