Практическая работа №5

Задание:

Создадим тесты для этого бэкенда в JMeter.

1. Создание тестового плана

- Откройте JMeter.
- Создайте новый тестовый план (Test Plan).

2. Добавление Thread Group

- Правый клик на Test Plan → Add → Threads (Users) → Thread Group.
- Установите "Number of Threads (users)" на 5, "Ramp-Up Period (seconds)" на 10 и "Loop Count" на 1.

3. Добавление HTTP Request Sampler для POST запроса

- Правый клик на Thread Group → Add → Sampler → HTTP Request.
- В настройках HTTP Request:
  - Name: Create Item
  - Server Name or IP: 127.0.0.1
  - Port Number: 8000
  - Method: POST
  - Path: /items/
  - Body Data: Вставьте пример данных:

json

Копировать код

```
{
 "name": "Item 1",
 "description": "A description of Item 1",
 "price": 100.0
}
```

4. Добавление HTTP Request Sampler для GET запроса

- Правый клик на Thread Group → Add → Sampler → HTTP Request.
- В настройках HTTP Request:
  - Name: Get Items

- Server Name or IP: 127.0.0.1
- Port Number: 8000
- Method: GET
- Path: /items/

5. Добавление Listener

- Правый клик на Thread Group → Add → Listener → View Results Tree.

6. Запуск тестов

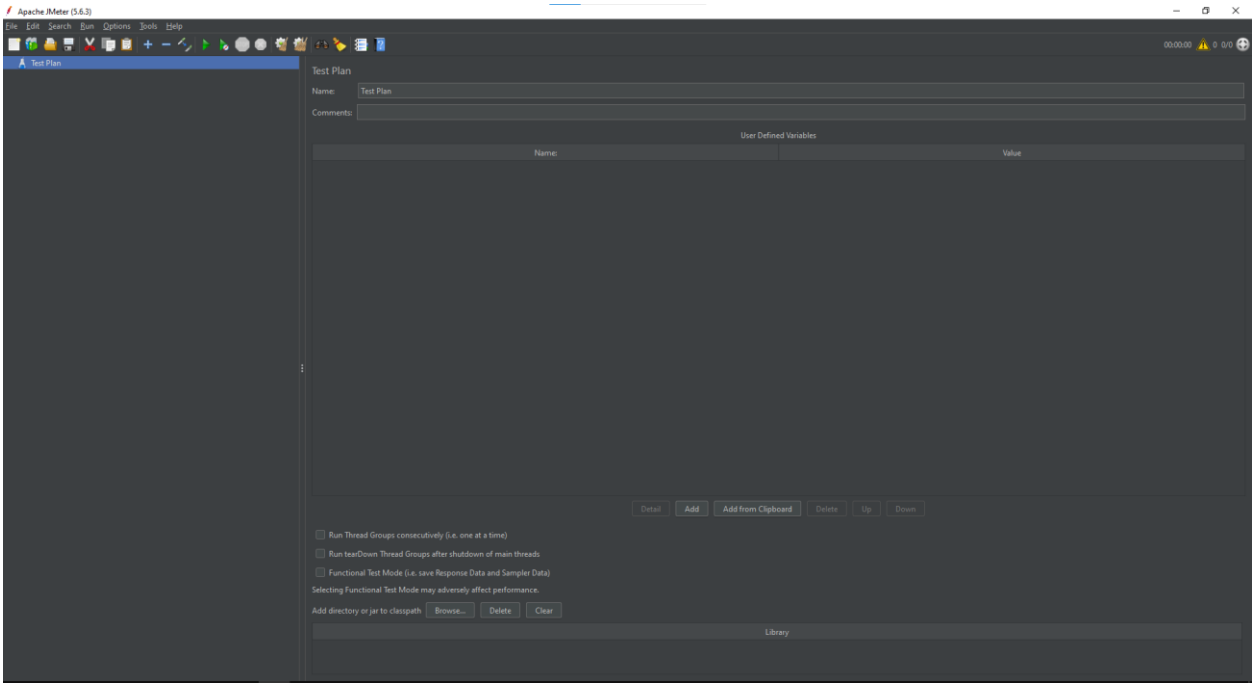
- Нажмите кнопку "Start" на панели инструментов JMeter.
- После завершения теста, просмотрите результаты в "View Results Tree".

Пример тестов

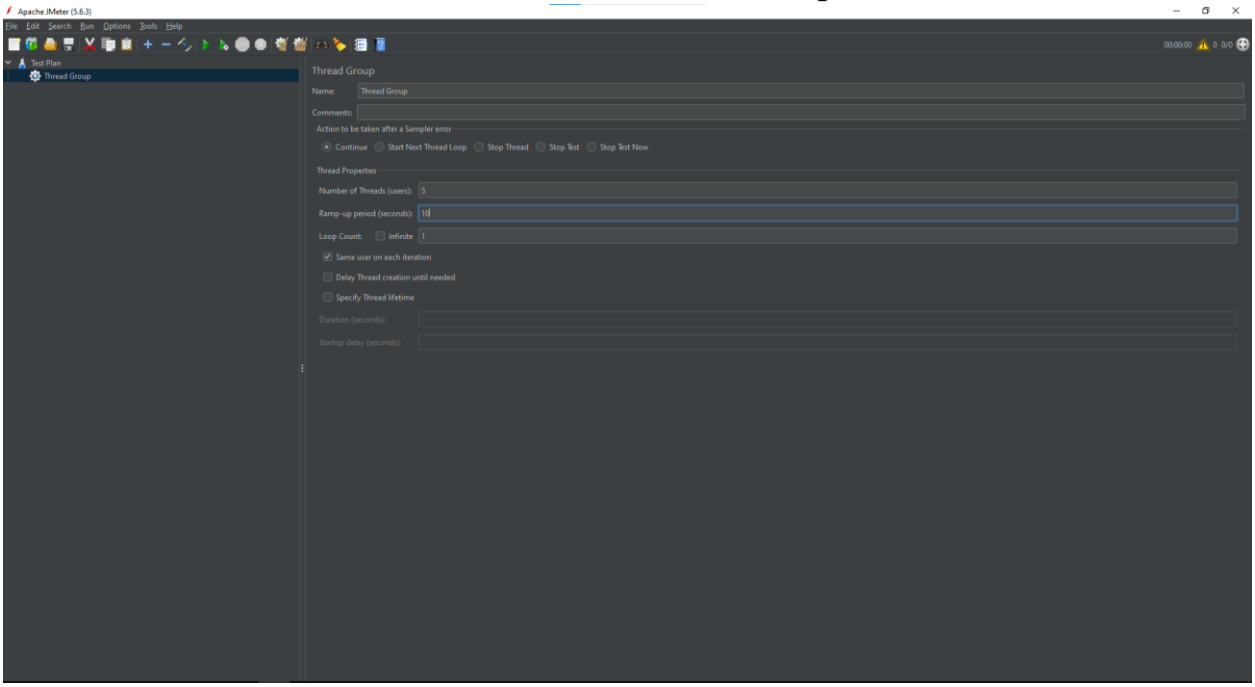
- POST запрос добавляет новый элемент на аукцион и возвращает его данные.
- GET запрос получает список всех элементов на аукционе.

Далее, придерживаясь инструкции создаем тесты:

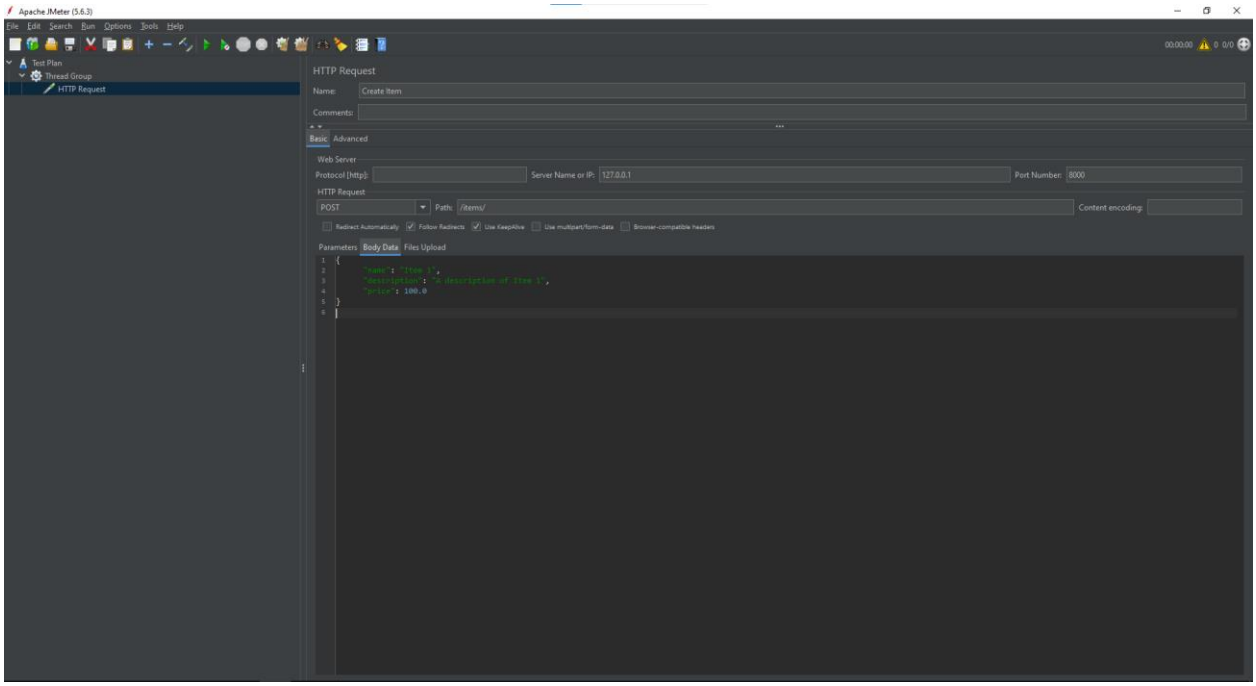
1.Создание тестового плана



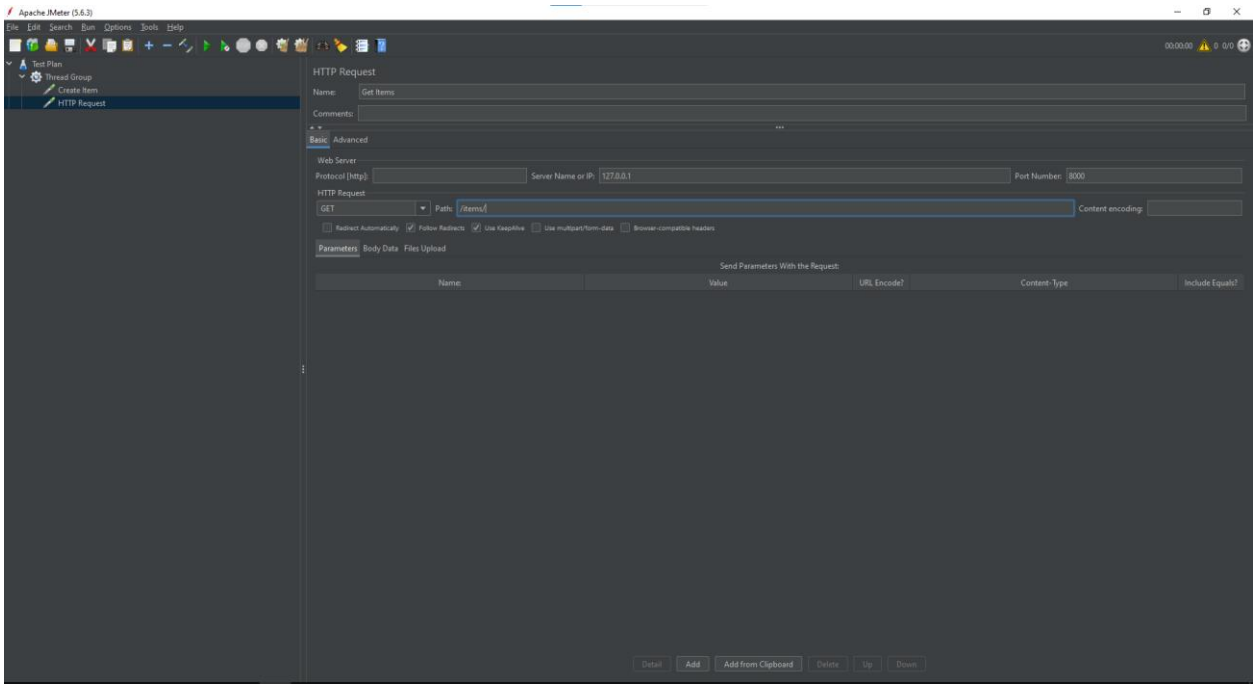
2.Добавление Thread Group



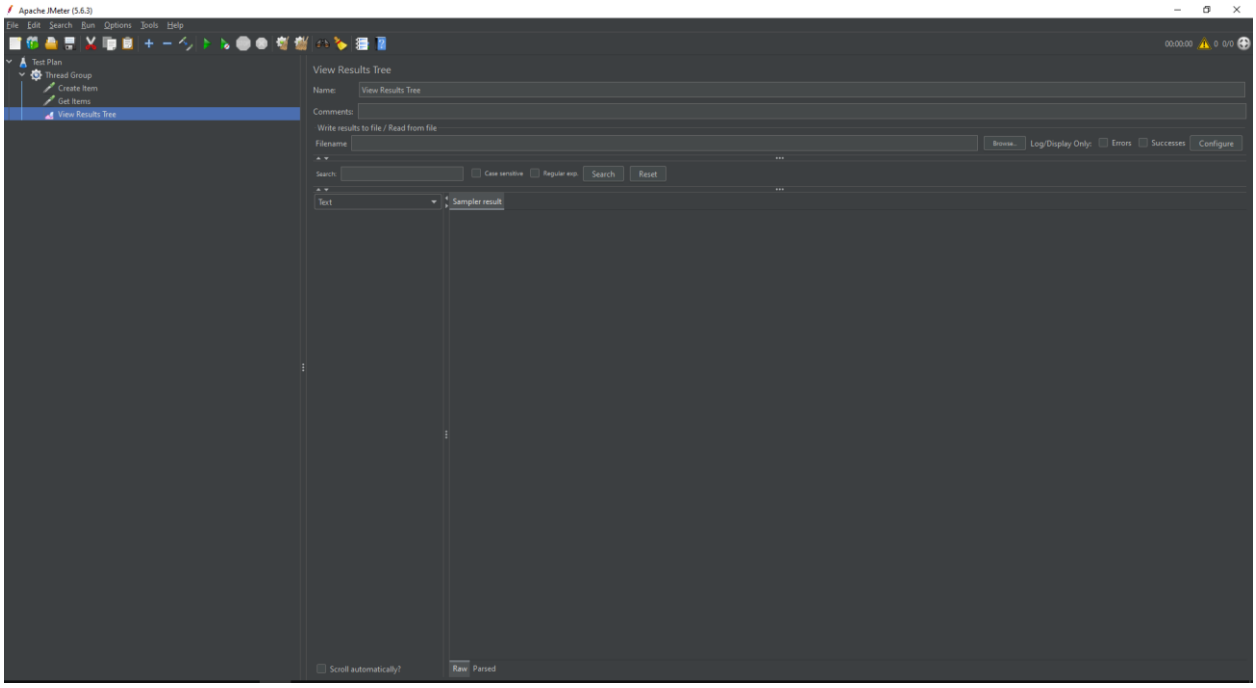
3. Добавление HTTP Request Sampler для POST запроса



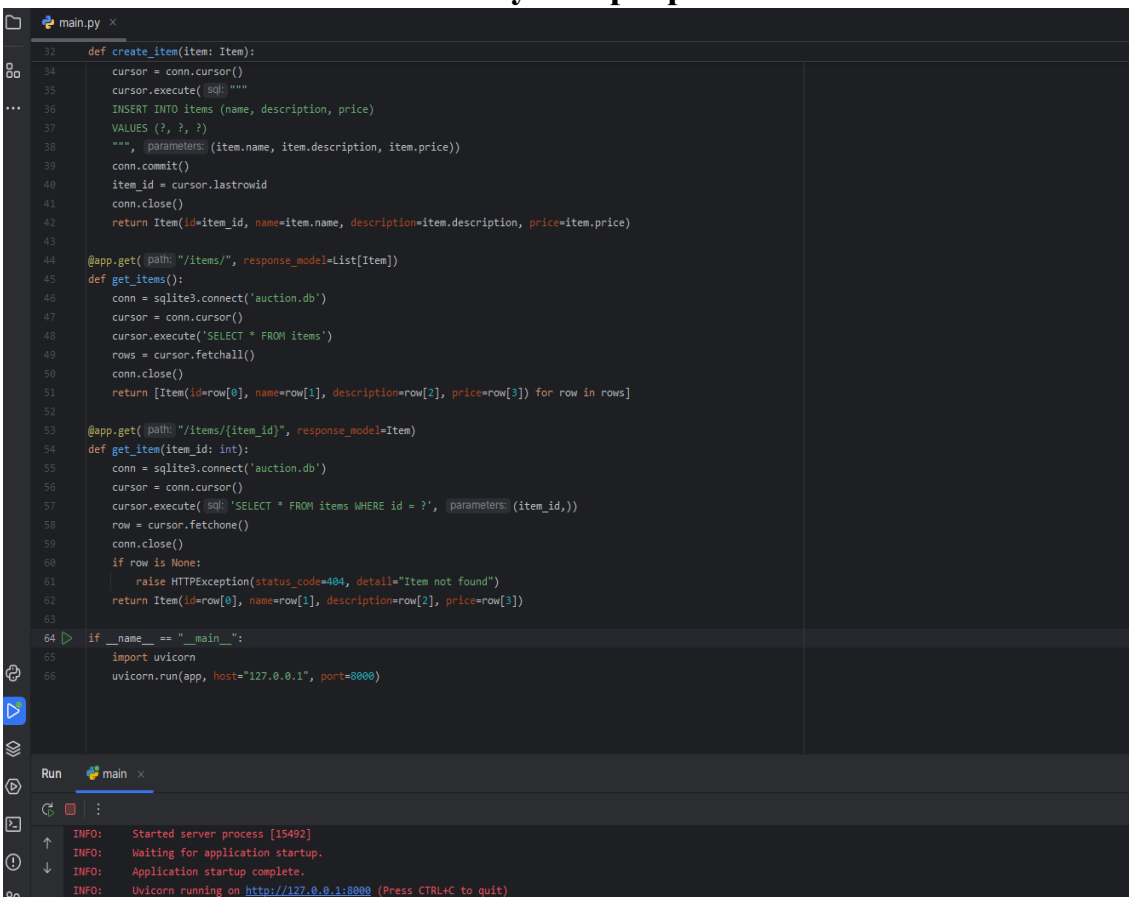
4.Добавление HTTP Request Sampler для GET запроса



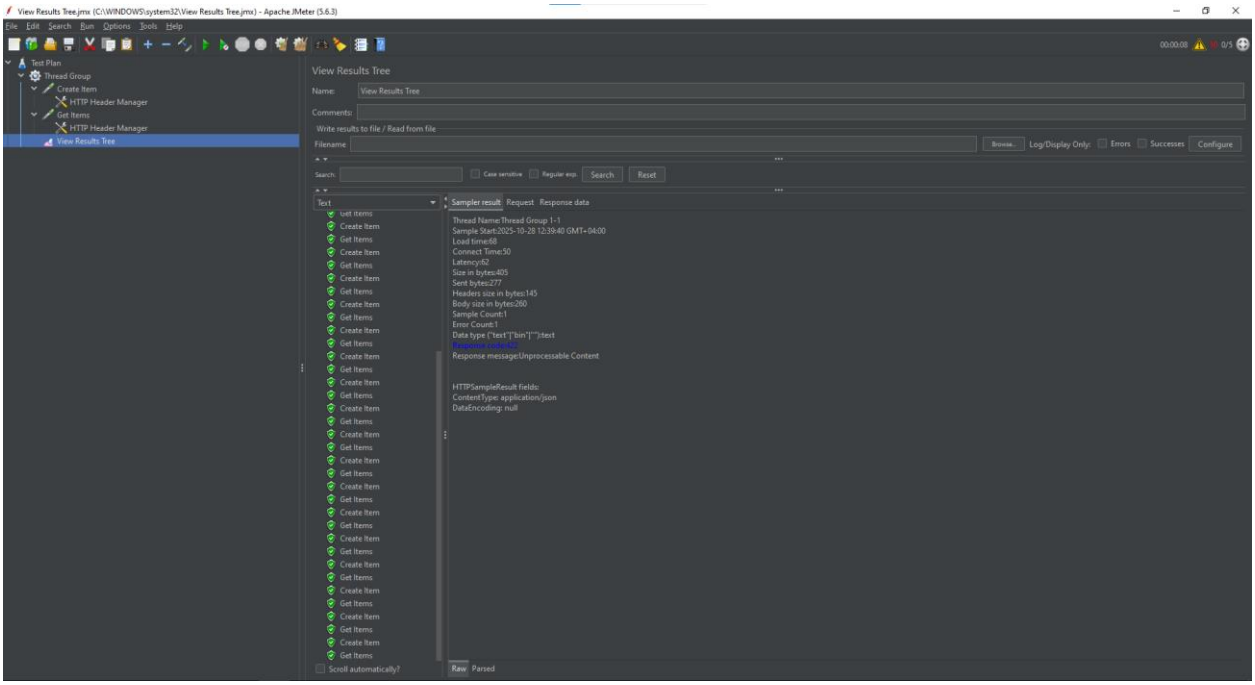
5. Добавление Listener



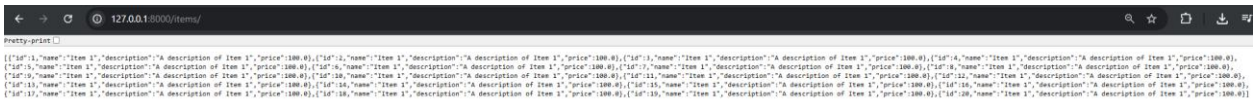
6.Запуск сервера



7.Запуск тестов



8.Проверка результатов



Вывод: [{"id":1,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":2,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":3,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":4,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":5,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":6,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":7,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":8,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":9,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":10,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":11,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":12,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":13,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":14,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":15,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":16,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":17,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":18,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":19,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":20,"name":"Item 1","description":"A description of Item 1","price":100.0}]