

# Curl Commands for Flask App

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## Base URL

```
http://localhost:5001
```

## Available Endpoints

### 1. Home Page

```
curl -X GET http://localhost:5001/
```

### 2. Stock Prices Page

```
curl -X GET http://localhost:5001/prices
```

### 3. Fetch Stock Prices (API)

```
curl -X GET http://localhost:5001/stocks/fetch-price
```

### 4. Fetch Stock Prices via WebSocket (API)

```
curl -X GET http://localhost:5001/stocks/fetch-price-websocket
```

## Complete curl commands with headers

### Home Page (with headers)

```
curl -X GET \  
  -H "Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8" \  
  -H "Accept-Language: en-US,en;q=0.5" \  
  -H "Accept-Encoding: gzip, deflate" \  
  -H "Connection: keep-alive" \  
  http://localhost:5001/
```

## Stock Prices Page (with headers)

```
curl -X GET \  
  -H "Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8" \  
  -H "Accept-Language: en-US,en;q=0.5" \  
  -H "Accept-Encoding: gzip, deflate" \  
  -H "Connection: keep-alive" \  
  http://localhost:5001/prices
```

## Fetch Stock Prices API (with headers)

```
curl -X GET \  
  -H "Accept: application/json" \  
  -H "Content-Type: application/json" \  
  -H "Connection: keep-alive" \  
  http://localhost:5001/stocks/fetch-price
```

## Fetch Stock Prices via WebSocket API (with headers)

```
curl -X GET \  
  -H "Accept: application/json" \  
  -H "Content-Type: application/json" \  
  -H "Connection: keep-alive" \  
  http://localhost:5001/stocks/fetch-price-websocket
```

## Testing with verbose output

```
curl -v http://localhost:5001/  
curl -v http://localhost:5001/prices  
curl -v http://localhost:5001/stocks/fetch-price  
curl -v http://localhost:5001/stocks/fetch-price-websocket
```

## Save responses to files

```
curl -X GET http://localhost:5001/ -o home_page.html  
curl -X GET http://localhost:5001/prices -o prices_page.html  
curl -X GET http://localhost:5001/stocks/fetch-price -o stock_data.json  
curl -X GET http://localhost:5001/stocks/fetch-price-websocket -o  
websocket_prices.json
```

# Authentication

✅ **Automatic Authentication:** The API endpoints automatically use credentials from the stored session file (`session_data.json`). You only need to login once via the browser, and then all curl requests will work without needing to pass tokens or cookies.

## First-time setup:

### 1. Login via browser (one time only):

- Go to `http://localhost:5001/login`
- Enter your Zerodha API Key and API Secret
- Complete the OAuth flow
- Your credentials will be saved to `session_data.json`

### 2. After login, use curl directly:

```
# No authentication needed - uses stored credentials automatically
curl -X GET \
  -H "Accept: application/json" \
  http://localhost:5001/stocks/fetch-price-websocket
```

**Note:** If you get a 401 error, make sure you've logged in at least once via the browser to save your credentials.

## Test with different ports (if needed)

```
curl -X GET http://localhost:5000/
curl -X GET http://127.0.0.1:5001/
```