# Load stock data from JSON file

with open("Chatbot\_stock\_data.json", "r") as file:

stock\_data = json.load(file)

@app.route('/')

def home():

return """

<h1>Welcome to Stock Exchange Chatbot</h1>

<p>Please select a stock exchange:</p>

<ul>

<li><a href="/stocks?exchange=LSEG">LSEG</a></li>

<li><a href="/stocks?exchange=NASDAQ">NASDAQ</a></li>

<li><a href="/stocks?exchange=NYSE">NYSE</a></li>

</ul>

"""

@app.route('/stocks')

def stocks():

exchange = request.args.get('exchange')

if exchange not in stock\_data:

return "Invalid stock exchange"

stocks\_list = stock\_data[exchange][:5]

stock\_links = "".join([f"<li><a href='/stock?exchange={exchange}&stock={stock}'>{stock}</a></li>" for stock in stocks\_list])

return f"""

<h2>{exchange} Stocks</h2>

<ul>

{stock\_links}

</ul>

<p><a href="/">Back to Home</a></p>

"""

@app.route('/stock')

def stock():

exchange = request.args.get('exchange')

stock\_name = request.args.get('stock')

if exchange not in stock\_data or stock\_name not in stock\_data[exchange]:

return "Invalid stock or exchange"

stock\_price = stock\_data[exchange][stock\_name]

return f"""

<h2>Stock Details</h2>

<p>Exchange: {exchange}</p>

<p>Stock: {stock\_name}</p>

<p>Price: {stock\_price}</p>

<p><a href="/stocks?exchange={exchange}">Back to {exchange} Stocks</a></p>

<p><a href="/">Back to Home</a></p>

"""

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)