# Langraph-Based Automated API Testing Framework

This document details the implementation of an automated API testing framework using Langraph.

## Code Overview

The framework extracts API details from an OpenAPI spec, generates an execution sequence, allows user intervention, and executes APIs in sequence with support for load testing.

## Main Execution Code

# LLM suggests execution order  
llm\_suggested\_sequence = ["Create User", "Get User Details", "Update User Role", "List All Users"]  
  
# User modifies order using plain English  
user\_modified\_sequence = ["List All Users", "Create User", "Get User Details", "Update User Role"]  
  
# Execution follows final approved sequence  
final\_approved\_sequence = user\_modified\_sequence

## Requirements File

The following dependencies are required:  
  
langchain  
langraph  
docx  
requests