**API Endpoint testing with postman**

Testing, reproducible results, and well defined functional specifications are the life-blood of a well designed and well functioning API. Testing itself has several phases, beginning with creating unit tests to verify operation of individual code components, through to integration testing where you start plugging pieces of your API ecosystem together.

Once your API has passed its unit and integration testing, the next phase is “system testing”.

**System testing is defined as;**

“Testing conducted on a complete, integrated system to evaluate the system’s compliance with its specified requirements. System testing falls within the scope of black-box testing.

For the purposes of this exercise I’m going to use the “API Testing Target” application

(<https://github.com/perfectExamples/API-Testing-Target>). This is an API that has simple routes for each of the main tasks common to a JSON API, and allow us to get familiar with the process.

The readme.md of the repo also has a link to a postman API test group.

$ git clone

<https://github.com/perfectExamples/API-Testing-Target>

$ cd API-Testing-Target

$ swift build

$

.build/debug/APITestingTarget