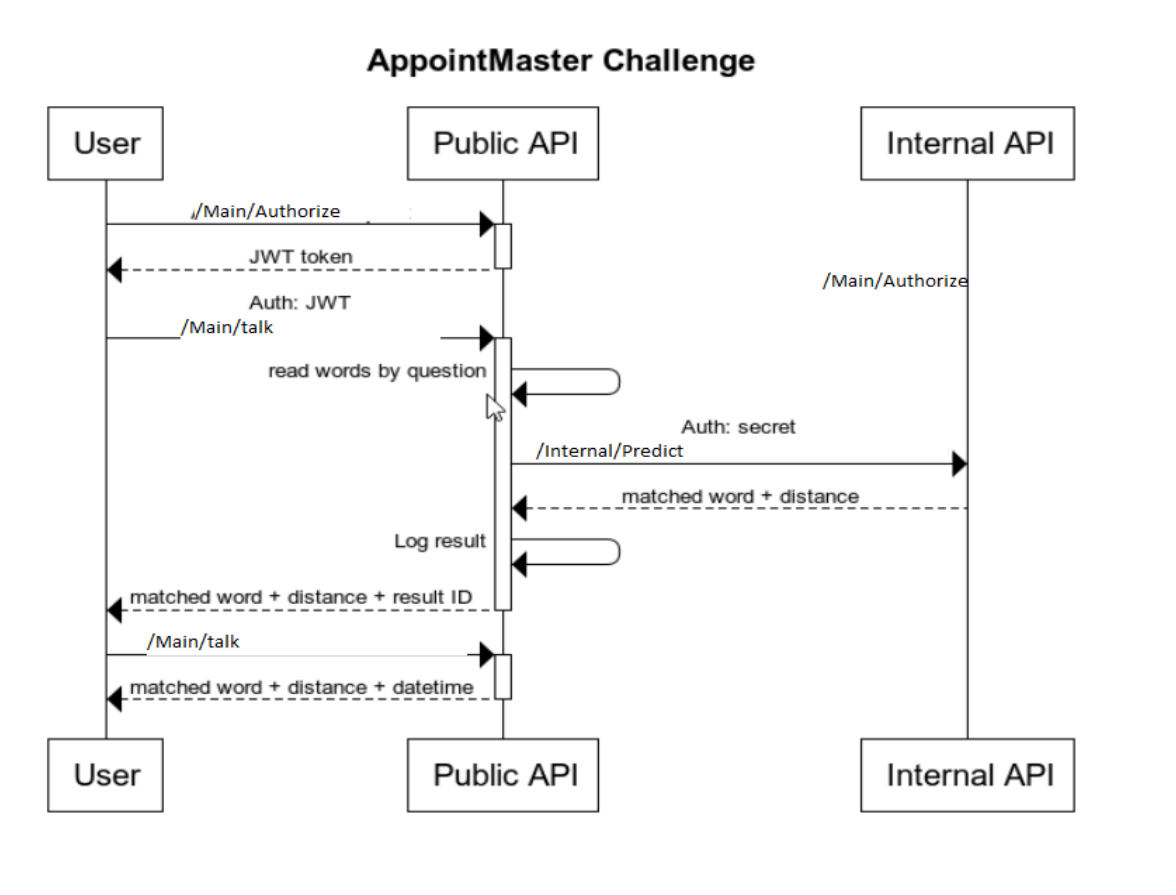


# AppointMaster Backend Challenge

## Introduction

To face the problem presented by AppointMaster, I built two different API's, one called AM.API that can be refer to as "Public API", receives a request with a list of words and a possible match and returns the matched word and the distance between the word given and the best match.

## How it works



The *public API* is responsible for authorize users and guide the conversation between the user and the *private API*. All the process of calculate the distance between the word given and words list is done on the *Private API*.

## Public API

Endpoints	Body	Return
/Main/Authorize	{ "username" : string "password": string }	{ "token" : string }
/Main/talk*	{ "QuestionId" : int**, "Word" : string, "requestId": string }	{ "matchedWord": string, "distance": string, "requestId": string }
/Main/singleCall*	{ "Word" : string, "possibleMatches": List<string> }	{ "matchedWord": string, "distance": string, "requestId": string }

\*Token needed to call this endpoints

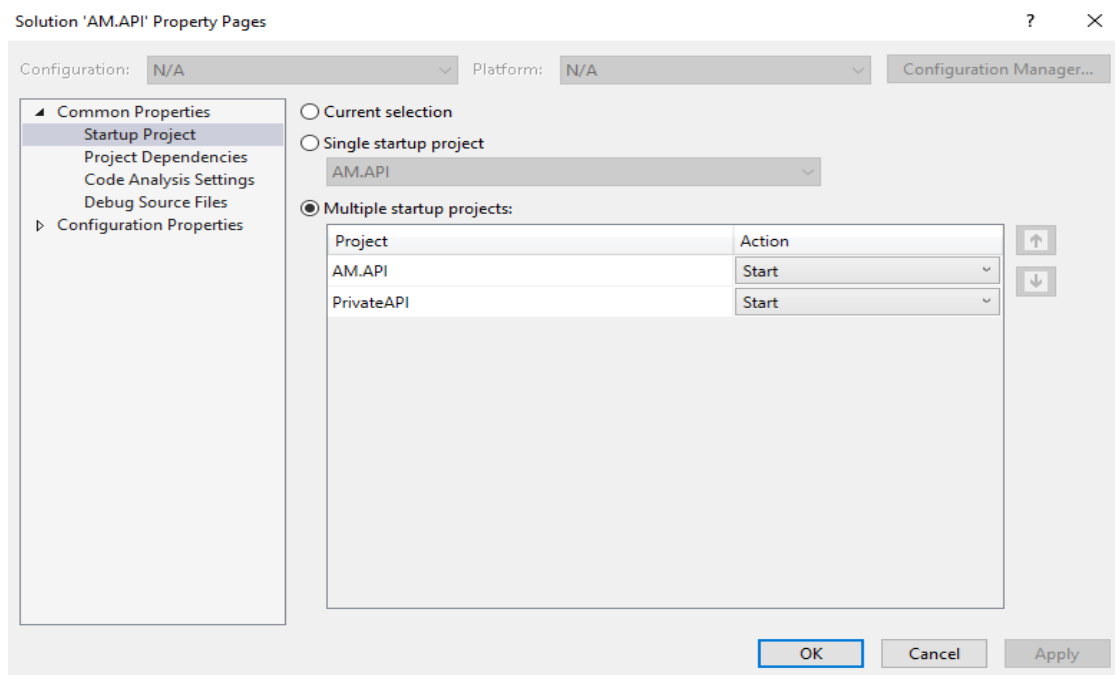
\*\*At this moment the API only supports 1 or 2 as parameter

1 to choose the animal

2 to choose the doctor

## How to run it

To run both of APIs, if using Visual studio, set up both to start as it shows. Two browser tab should open when starting. There is a swagger implementation done on the AM.API



## Logs

Logs are kept on a file on a folder named "Logs" and keeps the info regarding requestId, userWord, possibleWordMatches, and DateTime.

## Important remarks

- Both of this APIs are built on .Net Core 3.1 and has a few nugget packages installed.
- Alongside the APIs on **GitHub**, there is a postman collection that can be used to call the endpoints.

- All the users and info to simulate a DB, can be found on the *appsettings.json* file under the Settings sections