APIs

...

What is an API

Application programming interface

Allows two programs (typically written in different languages) to talk to each other

API requests typically come in JSON and XML format

APIs are CRUD!!

      Create (POST)

      Read (GET)

      Update (PUT/PATCH)

      Delete (DELETE)

What is JSON?

JSON stands for JavaScript Object Notation and follows the below format

```
{

    "ClassTeachers":[

        {"firstName":"Jordan", "lastName":"Herzig"},

        {"firstName":"Mark", "lastName":"MacCabe"}

    ]

}
```

What is XML

XML eXtensible Markup Language and follows the below format

```
<ClassTeacher>
  <firstName>Jordan</firstName>
  <lastName>Herzig</lastName>
</ClassTeacher>
<ClassTeacher>
  <firstName>Mark</firstName>
  <lastName>MacCabe</lastName>
</ClassTeacher>
```

APIs you can use for coding example

https://rapidapi.com/

https://publicapis.dev/