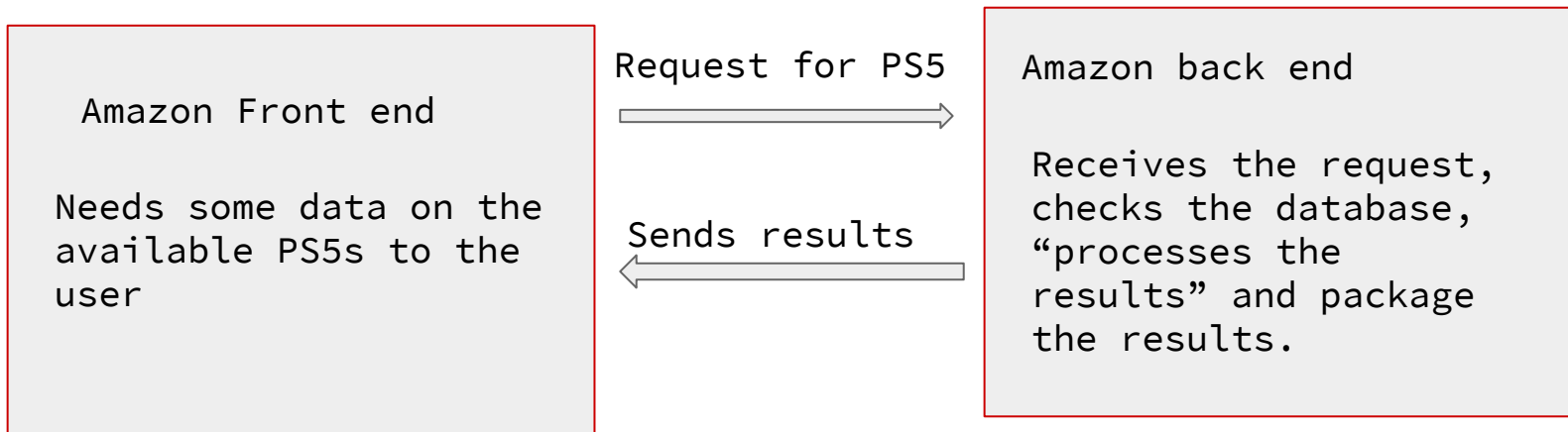


INTRO TO WEB DEVELOPMENT

BASIC STRUCTURE OF A WEBAPP

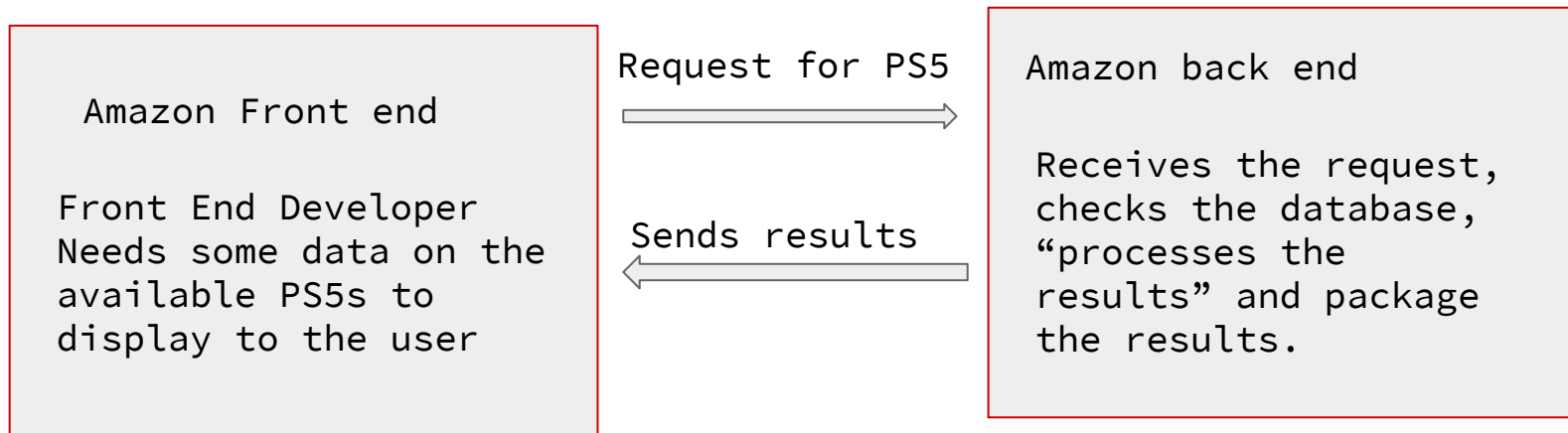
Nelson searches PS5 on Amazon search bar



Nelson sees the results and is not happy with the prices.

DEVELOPERS PERSPECTIVE

How do I handle a users search request

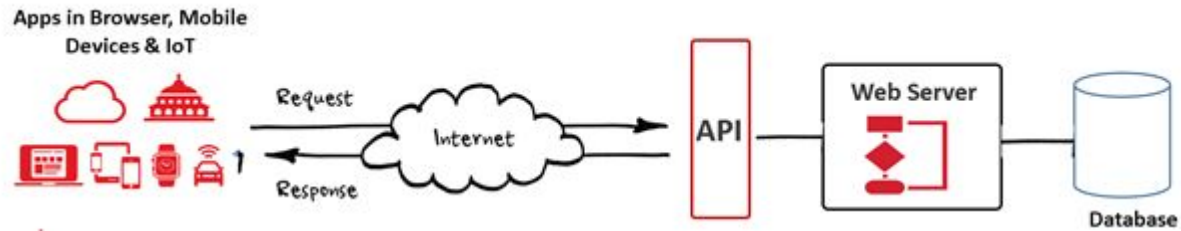


THE CONTRACT

How do we front-end developers send request? How do front-end developers determine the format on how to send the data?? Or the structure of the data returned???

Answer: API(Application Programming Interface)

API



RESTFUL API/ REST API

REST determines how the API looks like. It stands for “Representational State Transfer”. It is a set of rules that developers follow when they create their API.

DATA FORMATS

JSON(JavaScript Object Notation) - Most popular format for sending/requesting and receiving data through a REST API. It looks like a Javascript Object except both property and value have to be wrapped in Notations.

```
{  
  "property1": "value1",  
  "property2": "value2",  
}
```

Other file formats used for data exchange is: XML

LETS WRITE SOME CODE!!!!

DOM(DOCUMENT OBJECT MODEL)

Is a cross platformed language independent interface that treats a Html documents as a tree structure. From previous example

We could update, delete, and create DOM elements as shown in using Vanilla JS methods.

VERSION CONTROL

A version control is a system that allows users to keep track of changes and enable them to collaborate on those projects.

Think of the what undo feature does on microsoft word.

The most popular version control system is Git.

GITHUB

A cloud based hosting service that lets you manage GIT repositories.

HOMEWORK1

hAVE fun!