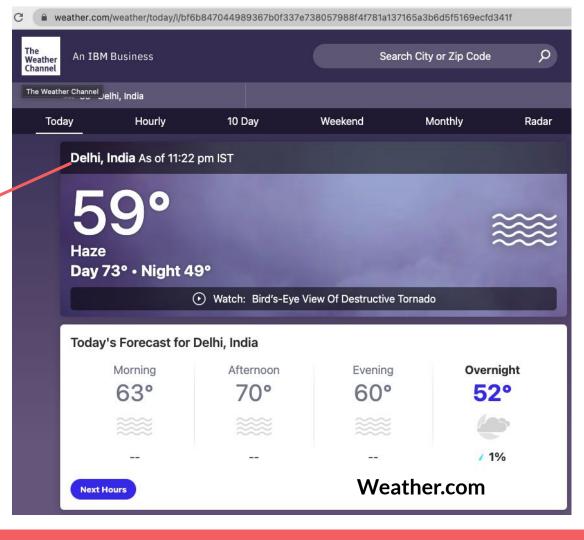


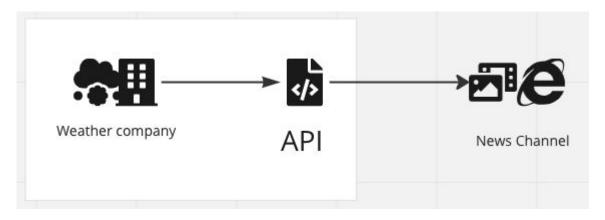
India.com wants to show weather info from Weather.com

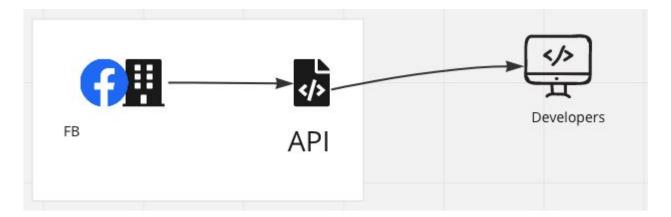


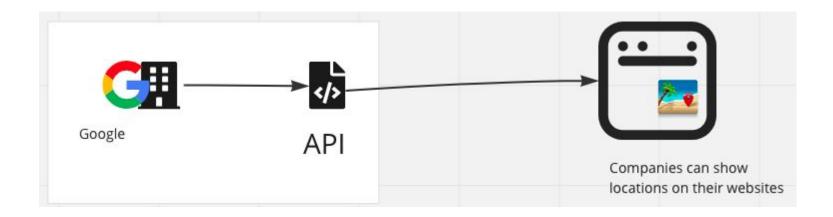
**API** (Application Programming Interface)

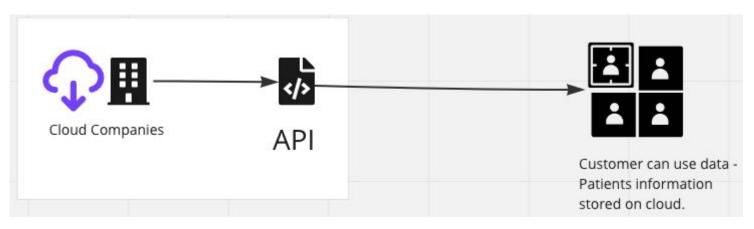
What is an API???

 Simply remember it's a Piece of code
 That can Create, Read, Update and Delete data (CRUD)

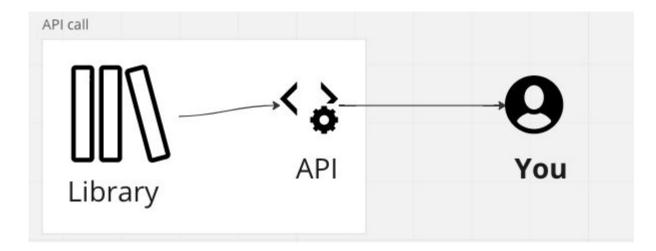








#### **API Testing example 5**



# Sample postman request

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## **API components**

- API URL
  - <u>https://openlibrary.org</u>
- Path
  - /api/books
- Methods
  - What operation this api will perform (Create, Read, Update, Delete) or CRUD
  - Get, Post, Update, Delete etc
- Request details
  - Parameters, Auth, Header, Body
- Status code
  - o **200, 400, 500, 401**
- Response Body
  - What response we received for a request.

# How does a QA person think while working on a API user story

# Thank you

**API** (Application Programming Interface)

How does it work??? - More details

- Decide what data points to add
- Decide who can access
- Decide usage
- Discuss infrastructure needs
  - $\circ$  Server
  - Databases
  - Tables
    - How to populate tables

**API** (Application Programming Interface)

Why???

- a. Existing methods are time consuming and complex
- b. Anyone can go and grab information (No Auth)
- c. No monetization
- d. No cap
- e. Not secure
- f. Performance issues
- g. No dependencies