Full-stack web development

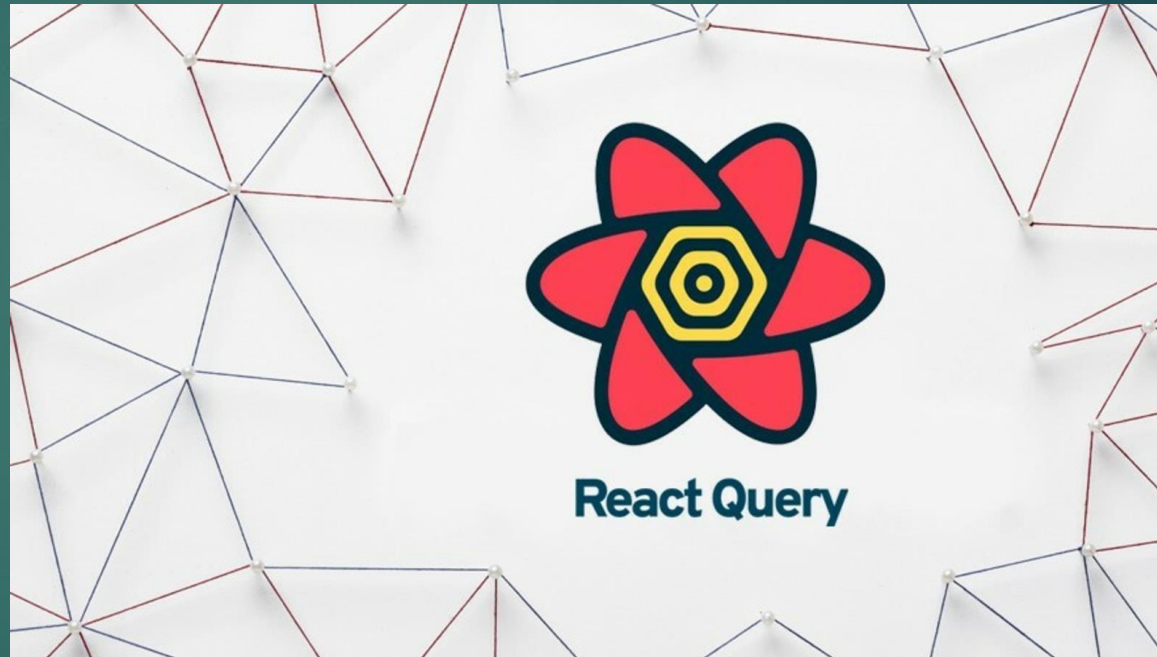# Represented by:

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React Query

- It is a data fetching library for react

- Makes :

1. Fetching
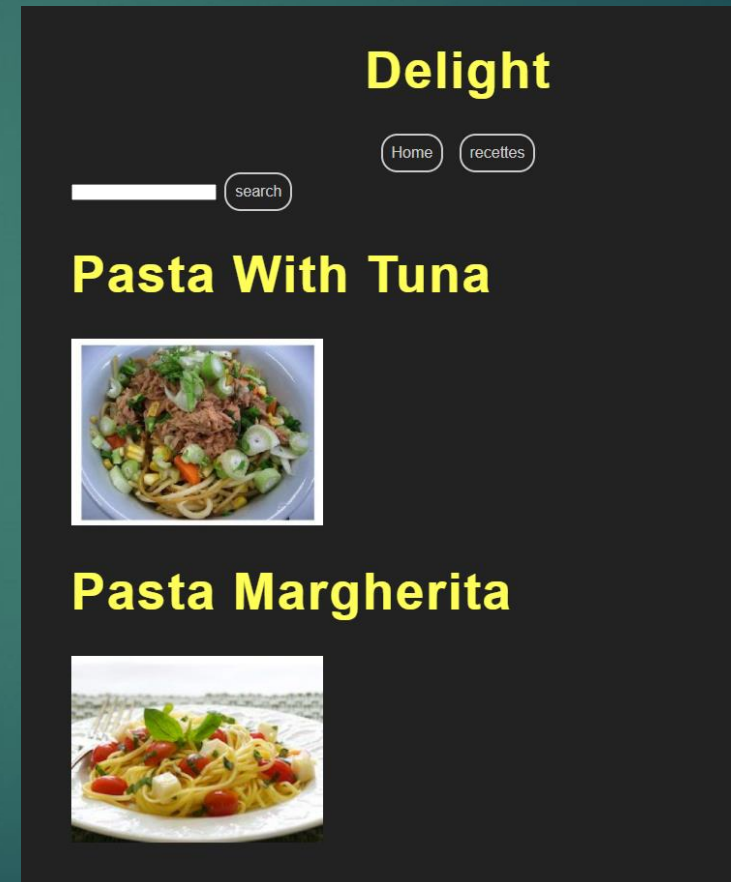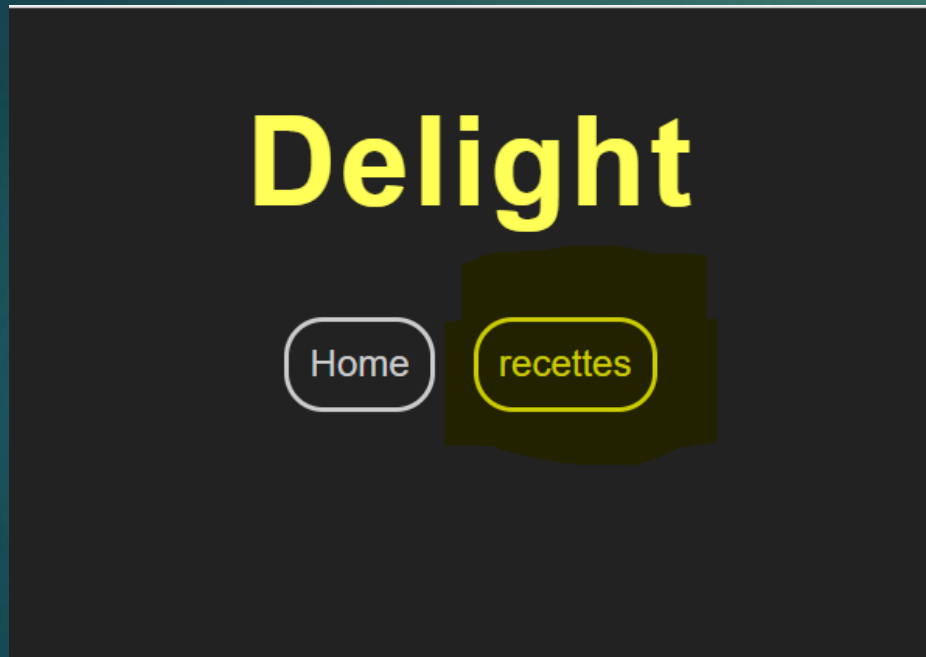
2. Caching

3. synchronizing

4. Updating server state

Application:

Fetching API's data using React Query library.


```js
components > JS Recettes.js > ...

import React , { useState} from "react";

import {QueryClient, QueryClientProvider, useQuery} from 'react-query';

import Recipe from './Recipe';

const queryClient = new QueryClient();

const fetchRecettes =async () =>{

    const response=await fetch('https://api.spoonacular.com/recipes/complexSearch?query=pasta&apiKey=8cbb637f2f344927

    return response.json();


}

const Recettes = () => {

  const {data, status} = useQuery('Recettes', fetchRecettes);

 console.log(data);

//const Recettes =() =>{
```
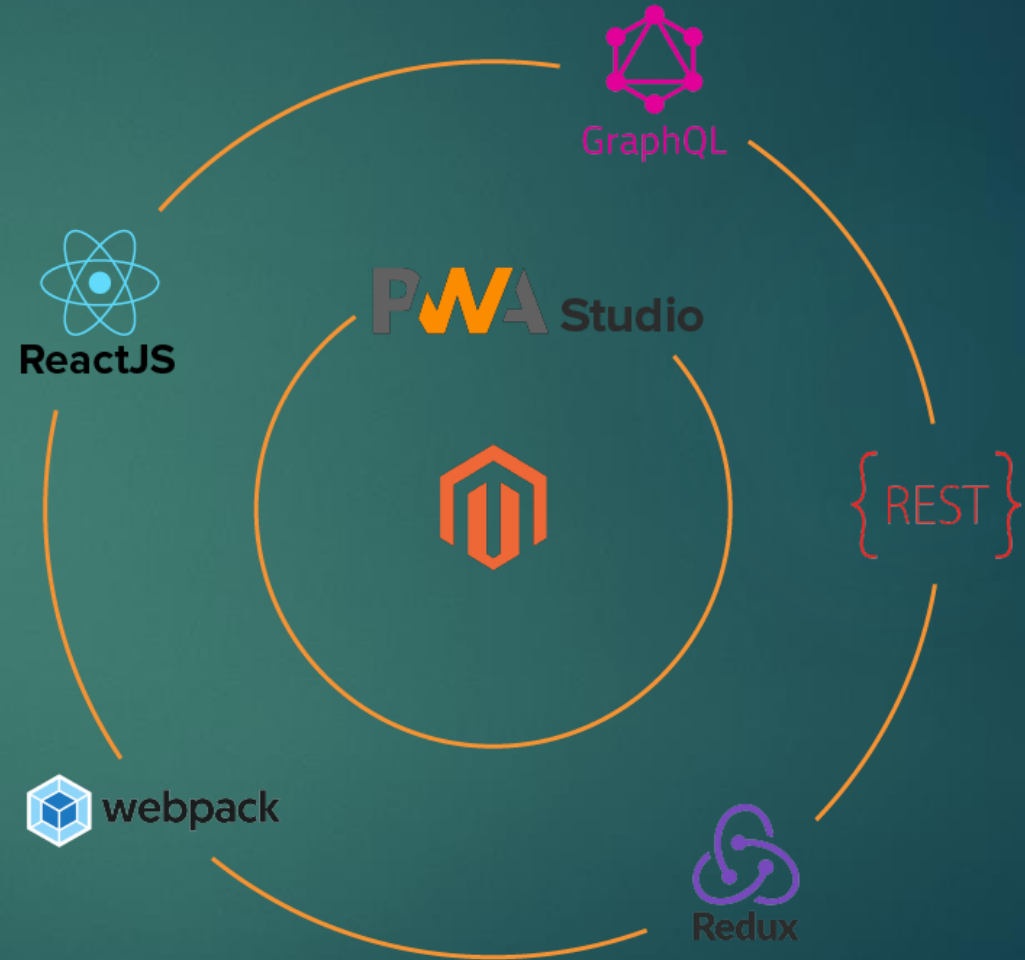
Getting pasta's Recipes

Progressive Web App (PWA):

It's a web application that can be installed on you system

- 68% increase of mobile traffic
- 15-fold improvement of load and installation speed
- 25-times reduced use of device storage
- 52% average conversion increase
- 78% average session increase
- 137% engagement increase
- 42.86% lower bounce rate when compared to that of mobile websites
- 133.67% increase in page views

PWA examples:
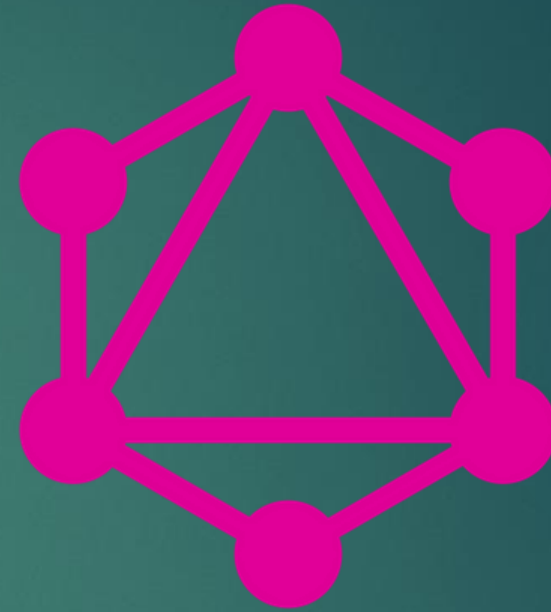
GraphQL:

GraphQL is a query language for APIs and a runtime for fulfilling those queries with your existing data.

- Provides a complete and understandable description of the data in your API.

- gives clients the power to ask for exactly what they need and nothing more.

- makes it easier to evolve APIs over time, and enables powerful developer tools.