React JS

Introduction

- React is an open source, JavaScript library for developing user interface (UI) in web application.
- React is developed and released by Facebook.
- This tutorial starts with the architecture of React, how-to guide to setup projects, creating components, JSX and then walks through advanced concepts like state management, form programming, routing and finally conclude with step by step working example.
- Prerequisites: Basic knowledge in HTML, CSS and OOPS concepts.

Introduction

- ReactJS is a simple, feature rich, component based JavaScript UI library. It can be used to develop small applications as well as big, complex applications.
- React community compliments React library by providing large set of ready-made components to develop web application in a record time.

Features

- Solid base architecture
- Extensible architecture
- Component based library
- JSX based design architecture
- Declarative UI library

Benefits

- Easy to learn
- Easy to adept in modern as well as legacy application
- Faster way to code a functionality
- Availability of large number of ready-made component
- Large and active community

Applications

- Facebook, popular social media application
- Instagram, popular photo sharing application
- Netflix, popular media streaming application
- Code Academy, popular online training application
- Reddit, popular content sharing application

React JS installation

Refer to Class Demonstrations

Approx. 30 minutes procedure.

- https://www.w3schools.com/REACT/default.asp
- https://www.w3schools.com/REACT/react_intro.asp
- https://www.w3schools.com/REACT/react_getstarted.asp

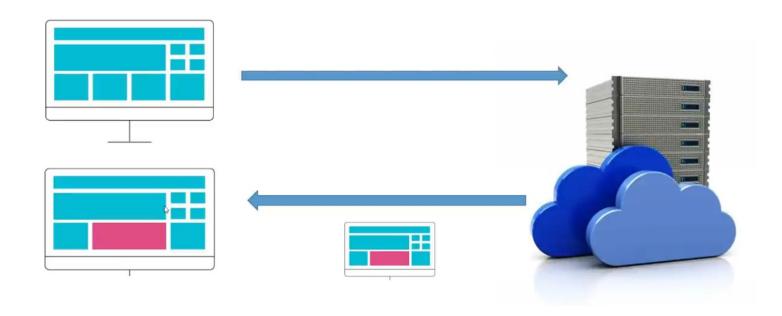
ES6 essentials

• https://www.w3schools.com/REACT/react_es6.asp

- React Render HTML
- https://www.w3schools.com/REACT/react_render.asp
- React JSX
- https://www.w3schools.com/REACT/react_jsx.asp
- React Components
- https://www.w3schools.com/REACT/react_components.asp

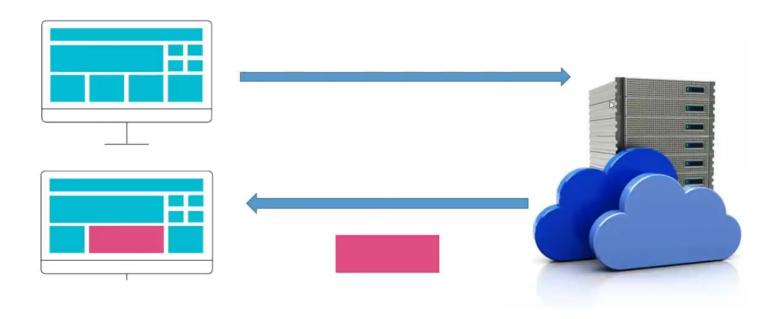
MPA

Multi Page Application (Normal Website)



SPA

Single Page Application (SAP)



MPA SAP samples

MPA sample experience: https://edition.cnn.com, SPA samples: https://reactjs.org/, https://reactjs.org/, https://trionndesign.com/, more spa samples: https://www.intechnic.com/blog/60-beautiful-examples-of-one-page-website-design-inspirations/

React Components

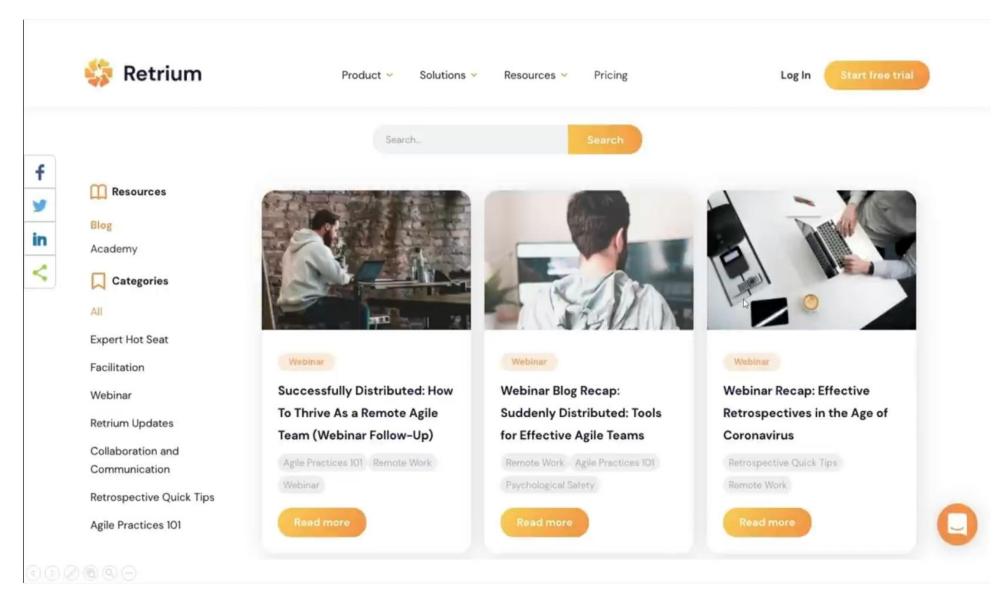
React is all about components.







Sample web page composed of components



So, Components are reusable building block in user interface (html and css with js make a component)

Benefit of using components

- 1. Reusability
- 2. Help in maintaining code

Components within components

Search_

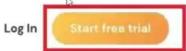


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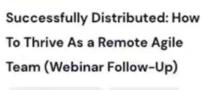
Collaboration and

Communication

Retrospective Quick Tips

Agile Practices 101





Agile Practices 101 Remote Work Webinar

Webinar



Webinar Blog Recap: **Suddenly Distributed: Tools** for Effective Agile Teams

Remote Work Agile Practices 101 Psychological Safety

Webinar



Webinar

Webinar Recap: Effective Retrospectives in the Age of Coronavirus

Retrospective Quick Tips

Remote Work





So, in React we build component with html css and js.

And then by combining these component s we built a page.

