

ReactJS for Beginners - Design your own Instagram

What will you learn?

We all spend a lot of time on Facebook and Instagram. What about IMDB? That's our one stop shop for deciding if we should watch a movie or not, isn't it? Also, Coursera, AirBnB, Netflix, Whatsapp Web, Dropbox are few other applications that we use all the time. Do you know what connects all these applications? All of them use ReactJS, a massively popular open-source JavaScript library for building user interfaces. In fact, React JS has become the 5th most starred project of all time on GitHub in a short span of just five years.

Learn about web applications, UI and ReactJS from scratch in this workshop and design an application similar to Instagram.

Duration: 1 day (February 4, 2017 from 11 a.m.)

Registration Cost: Free Workshop

Course Objective:

ReactJS incorporates some really exciting features such as one-way data flow, virtual DOM, JSX, etc. But before we go deep into these topics, it is necessary to have an idea of how web applications have changed over time. Also, we will be covering some key concepts including how ReactJS is different from other JS libraries, React JS basics, design an Instagram page and further enhance its functionality using Redux. The course aims to give you a basic understanding of ReactJS and Redux so that you can move to advanced topics later and develop your own projects.

Topics to be covered:

- Overview of web-applications
- Why should you learn ReactJS and what makes it different from other JS libraries?
- React – the JS library
- Concept of virtual DOM:
 - with an example
 - Concept of props
 - Concept of state
 - The render method
 - Concept of child components
- Component Life cycle Methods
- Redux – Design Pattern
 - Actions
 - Reducer
 - Redux Store
- Covering Pre-requisites for the hands-on session
 - Nodejs (node package manager)
 - ES6 with examples

- Hands-on experience with React JS (creating a web application similar to Instagram)
 - Explanation about the boiler plate application and React JS router shall be covered during the hands-on session

Pre-requisites:

- Download and install nodejs (any version above version 5.0) from <https://nodejs.org>.
- A code editor (eg: ATOM, Sublime Text, VS Code, etc.)
- Mentimeter App on your mobile phone (available for free on Playstore and Appstore)

Note: The boiler plate application shall be shared with everyone during the workshop