React Syllabus:

- Javascript
- declarations
- Variable
- variable Types
- Variable scopes
- Function
- Types of function
  - Anonymous function
  - Arrow function
  - IIFE (Immediately Invoking Function)
  - Callbacks
  - Nested Functions

- Events
  - Dynamic Events
  - var/let
  - Hoisting
  - Array and Array functions
  - Types of functions

- Object
  - How many Ways to create object
  - nested objects
  - Destructuring

- BOM objects
  - window
  - document

    - history
    - navigator

- Date Object
- Math Object
- string Functions
- Conversion functions
- Ajax
- Promise
- Primose all,race,any,allSetteled
- call
- apply
- bind
- Asnync await
- OOps
    - class
    - Object
    - Inheritance
    - Constructor

- event bubbling/trickling
- event loop
- exception handling
- Event object methods
- Protocols and state management
- Local Storage
- Session Storage
- default values
- rest/spread
- closures
- Currying

REACT JS

- Introduction of React
- Node Repository
- Components,
- Functional and class Components
- What Is JSX
- JSX Expressions
- State & The Context API
- Working With Forms
- Functional component lifecycle hooks
- Changing State From Another Component
- Using The Context API & Provider State
- Adding A Context Reducer For Actions
- Creating A Form With State
- Controlled Components & onChange
- TextInputGroup Component For DRY Code
- Working With Props
- CSS In React
- Adding Bootstrap
    - Events In React
    - Uncontrolled Components & Refs
    - Form Submit Action To Context
    - Error Checking & Display

- Lifecycle, HTTP & Deployment
- Lifecycle Methods
- AJAX
- Axios
- GET Requests

- POST & DELETE Requests
- API service calls
- CRUD operations
- Using AsyncAwait
- React Routing
- React Router Setup
- Links, Params & Redirect
- Role based routing
- Authentication and Authorization
- PUT Request & Update Action
- Learning Redux
  - App Starting Point For Redux
  - Redux Store Setup & Contact Reducer

- Redux Thunk & HTTP
  - Route Protection (Guared)
  - Persist Settings To LocalStorage
  - Server side interaction
  - Higher Order Component