

SIT120 Practical

Week 5 – Vue.js Framework



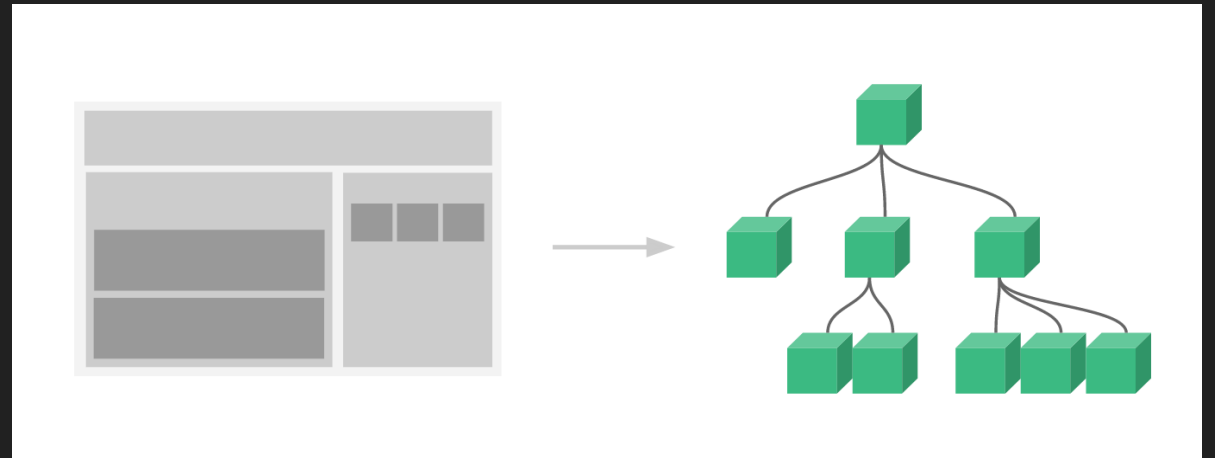
GOALS:

- Gain better understanding of Vue.js Framework and its different components.
- Exploring/Exploiting Vue framework and it's components.

Task 1 – Learn Composing with Components

○ The component system is another important concept in Vue Native, because it's an abstraction that allows us to build large-scale applications composed of small, self-contained, and often reusable components. If we think about it, almost any type of application interface can be abstracted into a tree of components:

○ <https://vuejs.org/v2/guide/#Composing-with-Components>



Task 2: Exploring Vue Framework

- Visit the Vue link for available examples
- Find 2 components useful for your project and play the examples
<https://vuejs.org/v2/guide/#Getting-Started>

Task 3 – Understanding Handling user input

- To let users interact with your app, we can use the v-bind directive to attach event listeners that invoke methods on our Vue Native instances.
- in this method we update the state of our app when ever the user click on the button, and Vue Native internally talk with the React Native to update the UI Elements.
- Please check the link below and study examples in detail
- <https://vuejs.org/v2/guide/#Handling-User-Input>

Task 4 – Learn Components In- Depth (30 minutes)

○ Study the capabilities of the following concepts and note down the components you want to include in your project

- Component Registration
- Props
- Custom Events
- Slots
- Dynamic & Async Components
- Handling Edge Cases

Using Advanced Components



Transitions and Animations

- [Enter/Leave & List Transitions](#)

- [State Transitions](#)

- [Mixins](#)

Reusability & Composition

- [Custom Directives](#)

- [Render Functions & JSX](#)

- [Plugins](#)

- [Filters](#)

- [Single File Components](#)

Tooling and Scaling Up

- [Unit Testing](#)

- [TypeScript Support](#)

- [Production Deployment](#)

- [Routing](#)

- [State Management](#)

Before Next Class



- Discuss about your project progress with your tutor.
- Investigate more about Vue components and play with examples.