Website Splash Weaver

High Level Design



System Architecture

High level system architecture is as shown below

react-grapesjs

FrontEnd

Website-builder Back End

Mongo DB

Website Builder Components

**UI Routes & UI Controller**: To load the Homepage and list all the pages created.

**Page Components**: This is used for page CRUD operations and for loading pages on editor using View Component

1. Page Controller
2. Page Route
3. Page Modal
4. Page Service

**View Component**: This is used as view template for supplying the page content to editor and view page routes.

**Renderer Component:** This is used to render the page created to be viewed on the browser.

**Tech Stack Used:**

1. Node.js
2. Express
3. Mongo DB

**Source Code:**

1. <https://github.com/codebuilder2018/website-builder>
2. <https://github.com/codebuilder2018/website-builder.git>

**Video Link:** https://github.com/codebuilder2018/react-grapesjs/tree/master/zip-video

React-GrapeJs Components

**Page Editor:** React and Grapes Js are used to build the page editor.

Page Editor screen is divided into multiple parts which supports multiple components as options for designing the page

1. Side Bar
2. Top Navigation
3. Page Section
4. Page Detail

**Home Page:** This is used to create the new web page. The created pages are listed in the table with options available for View, Edit and Delete the created pages.

**Plugins:** This are added as components to be used for adding components in editor for page designing.

1. Swiper
2. Tailwind

**Redux:** It allows React components to read data from a Redux Store, and dispatch Actions to backend application in this case to website builder to Store/Retrieve the data.

**Tech Stack Used:**

1. React.js
2. GrapesJs
3. Mongo DB
4. Redux
5. Sass
6. JQuery
7. BootStrap
8. Axios

**Source Code:**

1. <https://github.com/codebuilder2018/react-grapesjs>
2. https://github.com/codebuilder2018/react-grapesjs.git