

Steps to create ext-web-components-vue-boilerplate application:

1. Install node js (atleast version 8.10.0), then Run `npm install -g @vue/cli`, it provides vue commands in your terminal .
2. Run `vue create <app-name>` in your terminal, then select '*Manually select features*' from '*Please pick a preset*' options.
3. Required to select libraries create full featured app, prompted under '*Check the features needed for your project*' are:

- Babel
- Router

4. Run the following command : `cd <Your_app_name>`.

5. To consume ext-web-components in vue, few packages required to be installed and saved using `npm install -s <package-name1><space><package-name2>...so on for all below packages:`

```
@babel/plugin-syntax-dynamic-import@7.2.0
@sencha/ext@6.7.0
@sencha/ext-web-components@7.0.0
@sencha/ext-webpack-plugin@7.0.0
@sencha/ext-ux@6.7.0
@sencha/ext-exporter@6.7.0
@sencha/ext-calendar@6.7.0
@sencha/ext-d3@6.7.0
```

6. To introduce *ext-modern-theme* in the project, install and save packages using `npm install -s <package-names>` and packages are:

```
@sencha/ext-modern@6.7.0
@sencha/ext-modern-theme-material@6.7.0
@sencha/ext-modern-treegrid@6.7.0
```

7. Add the following property to scripts object in package.json file, to trigger your application from terminal using `npm start` command only insisted of `npm run serve`

```
"start": "npm run serve"
```

8. To configure ext-web-components web-pack in vue, create vue.config.js at root directory where the package.json is been placed, and write the following code snippet:

```
const ExtWebpackPlugin = require('@sencha/ext-webpack-plugin');
module.exports = {
  devServer: {
    contentBase: 'dist',
```

```

    hot: true,
    historyApiFallback: true,
    host: '0.0.0.0',
    port: '1962',
    disableHostCheck: false,
    compress: false,
    inline: true,
    stats: 'none',
  },
  outputDir: require('path').join(__dirname, 'build'),
  configureWebpack: {
    plugins: [
      new ExtWebpackPlugin({
        framework: 'webcomponents',
        toolkit: 'modern',
        emit: 'yes',
        browser: 'no',
        profile: '',
        verbose: 'no',
        treeshake: 'no',
        environment: 'development',
        packages: ['calendar', 'd3'],
      }),
      // new ESLintPluginVue(),
    ],
  },
};

```

9. Now add following code lines to your main.js file in your src directory:

```

import '@sencha/ext-web-components/lib/ext-panel.component';

Ext.require([
  'Ext.data.TreeStore',
]);

```

10. Replace Vue below instantiation method in main.js file

```

new Vue({
  router,
  store,
  render: h => h(App)
}).$mount('#app')

```

with following code snippet:

```
Ext.onReady(function() {  
    new Vue({  
        render: h => h(App),  
        router,  
    }).$mount('#app')  
});
```

10. Ext-web-components tags can be now inserted into template App.vue file. Here is code snippet:

```
<template>  
  <ext-panel  
    height="100%"  
    shadow="true"  
    bodyPadding="20px"  
  >  
    <h1>About this App</h1>  
    <p>  
      Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
      Etiam eget leo sed mi imperdiet dictum a id turpis.  
      Suspendisse a ante eu lorem lacinia vestibulum.  
      Suspendisse volutpat malesuada ante, sed fermentum massa  
auctor in.  
      Praesent semper sodales feugiat.  
      Class aptent taciti sociosqu ad litora torquent per conubia  
nostra,  
      per inceptos himenaeos.  
      Mauris mauris ante, suscipit id metus non, venenatis tempor  
tortor.  
      In ornare tempor ipsum.  
      Sed rhoncus augue urna, ut dapibus odio fringilla vitae.  
      Phasellus malesuada mauris ut nulla varius sodales.  
      Sed et leo luctus, venenatis felis sit amet, vehicula nibh.  
      Curabitur fringill a fringilla nibh, porttitor lacinia urna  
vestibulum eu.  
      Integer ac aliquet risus. Curabitur imperdiet quis purus at  
consectetur.  
      Sed ornare vitae felis a scelerisque.
```

```
        Donec mi purus, auctor sit amet molestie nec, imperdiet
        auctor mauris.
    </p>
</ext-panel>
</template>
<script>
    export default {
        name: 'app',
    }
</script>
```

11. If rimraf isn't installed, then run following command:

```
npm install -g rimraf
```

11. If *dist* folder already exists before starting the web server, then run commands:

```
rimraf dist && npm start
```

Otherwise just run command:

```
npm start
```

If you don't want to follow the above mentioned steps, then you can consume the boilerplate code [ext-web-components-vue-boilerplate](#) and start creating your application by consuming ext-web-components directly.