Story Book

**Create Story Book with React Project**

Step 1: $ **npx create-react-app story-book-react-components-library**

Step 2: $ **cd story-book-react-components-library**

Step 3: $ **npx -p @storybook/cli sb init**

Step 4: $ **npm run storybook**

Step 5: create folder **.storybook**

Step 6: create **config.js** file with below code

**import** { configure } from '@storybook/react';

**const** req = require.context('../src', **true**, /\.stories.js$/);

**function** loadStories() {

req.keys().forEach(filename => req(filename));

}

configure(loadStories, module);

Step 7: delete the **/stories** directory provided by storybook

Step 8: create story file **src/components/Button.js** and **src/components/Button.stories.js** with below code

*// src/components/Button.js*

**import** React from 'react';

**export** **default** **function** Button({ text, onClick }) {

**return** (

<button onClick={onClick}>

{text}

</button>

);

}

*// src/components/Button.stories.js*

**import** React from 'react';

**import** { storiesOf } from '@storybook/react';

**import** { action } from '@storybook/addon-actions';

**import** Button from './Button';

**export** **const** text = 'Hello Button';

**export** **const** actions = {

onClick: action('onClick')

};

storiesOf('Button', module)

.add('default', () => <Button text={text} {...actions} />);

Step 9: Story shots addon a snapshot test is created for each of the stories.

$ **npm i @storybook/addon-storyshots react-test-renderer require-context.macro --save-dev**

Step 10: create a **src/storybook.test.js** file with below code

*// src/storybook.test.js*

**import** initStoryshots from '@storybook/addon-storyshots';

initStoryshots();

Step 11: $ **npm i babel-plugin-macros --save-dev**

Step 12: create **babel.config.js** file in the root folder of your app with below code

*// babel.config.js*

module.exports = **function** (api) {

api.cache(**true**);

**const** presets = [];

**const** plugins = [ "macros" ];

**return** {

presets,

plugins

};

}

Step 13: Then update **.storybook/config.js**

*// .storybook/config.js*

**import** { configure } from '@storybook/react';

**import** requireContext from 'require-context.macro';

**const** req = requireContext('../src/components', **true**, /\.stories\.js$/);

**function** loadStories() {

req.keys().forEach(filename => req(filename));

}

configure(loadStories, module);

Step 14: $ **npm test**

Step 15: create **components/index.js** with below code

*// components/index.js*

**import** Button from './Button';

**export** {

Button

};

Step 16: $ **npm i cross-env @babel/cli @babel/preset-env @babel/preset-react --save-dev**

Step 17: update **babel.config.js** file with below code

*// babel.config.js*

module.exports = **function** (api) {

api.cache(**true**);

**const** presets = [ "@babel/preset-env", "@babel/preset-react" ];

**const** plugins = [ "macros" ];

**return** {

presets,

plugins

};

}

Step 18: To avoid any React conflict issues you can move the following React dependencies to dev dependencies

*// package.json*

"devDependencies": {

"react": "^16.9.0",

"react-dom": "^16.9.0",

"react-scripts": "3.1.2"

...

}

Step 19: update **package.json** file

"main": "dist/index.js",

"private": **false**,

"files": [ "dist", "README.md" ],

"repository": {

**"type"**: "git",

**"url"**: "URL\_OF\_YOUR\_REPOSITORY"

}

*// package.json*

"clean": "rimraf dist",

"compile": "npm run clean && cross-env NODE\_ENV=production babel src/components --out-dir dist --copy-files --ignore \_\_tests\_\_,spec.js,test.js,stories.js,\_\_snapshots\_\_"

Step 20: $ **npm run compile**

Step 21: to clean file use below command

$ **npm run clean**

Step 22: to install library in other project use below command

$ **npm install story-book-react-components-library**

Step 23: import into your app:

**import** { Button } from 'story-book-react-components-library';

**Use Add ons in storybook**

Step 1: $ **npm install @storybook/addon-storysource –save-dev**

Step 2: Add the following to your **.storybook/main.js** exports:

module.exports = {

addons: ['@storybook/addon-storysource'],

};

**Use CSS file for storybook**

Step 1: create CSS file **src/main.css**

Step 2: Add the following to your **.storybook/config.js** exports:

import '../src/main.css';

Step 3: Add the following to your **components/index.js** exports:

import '../src/main.css';