
WEB GALLERY

A Web App using ReactJS

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PROJECT IDEA

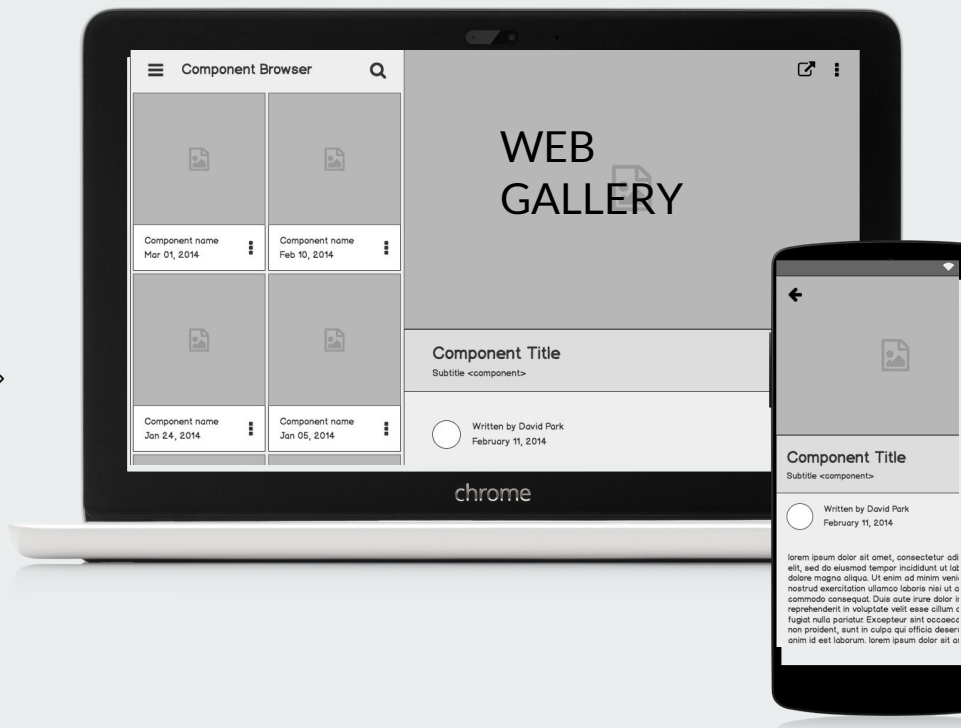
A Web Gallery which is a collection of all the best blogs on various topics available in a single application.

Features:

- 1. Users can login to read**
- 2. Bloggers are invited to write**
- 3. Search for various topics in a single app**
- 4. Best blogs implemented by blog rating**



Front-end
using
ReactJs



Back-end
using
NodeJs

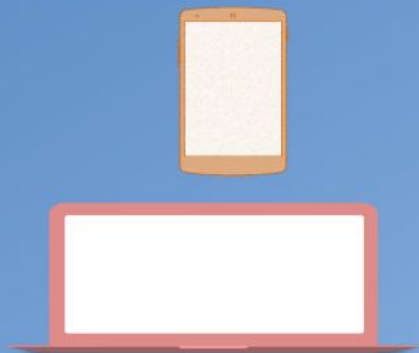


Full Stack JavaScript Development

Single page Apps
using JavaScript frameworks/libraries
like Angular or React

NodeJS and
NodeJS modules

MongoDB
JSON documents



REST API
serving JSON



Presentation layer

Business Logic layer

Data Access layer

TOOLS USED

→ React

→ Bootstrap

→ React- redux

→ React-router

→ React-redux form

→ Redux-thunk

→ Redux-logger

→ Json-server

→ React-transitions



What is Redux?

Redux is a state management tool library used with React. It is used to manage states in react applications.

WHY REDUX?

Our applications continue to increase in complexity. Every new feature makes it more challenging to think about how our Views and models will interact. So, Redux is the solution.



DEMO

FEATURES IMPLEMENTED

❏ **Responsive Design**

App can detect the user's screen size and orientation and change layout accordingly.

Framework Used: Bootstrap 4

Feature:

Navbar is changed to a button on a small screen and displayed as a list when the button is clicked.

❑ **Navigation between Components**

Library Used: React-router

It is a routing library for React and enables navigation between component views. It keeps UI in sync with URL.

❑ **CONTROLLED FORM WITH VALIDATION**

Library Used: React-redux-form

A feedback form that enables the validation of the input provided. A post request is made to server and a new entry is made to the database.

❏ **Local Form**

Library Used: React-redux-form

A comment form that enables the user to add comments on a blog. A post request is made to server and a new entry is made to the database.

❏ **Transitions between Components**

Package Used: React-Transitions

❏ **Featured Stories**

Home component renders the special featured stories.

❏ **Redux-Thunk**

It is a middleware used to handle asynchronous calls. Middleware is basically some code you can put between the framework receiving a request, and the framework generating a response.

FEATURE:

Loading component

❏ **Redux-Logger**

Redux logging tool that lets you replay problems.

It is a very simple and easy to configure middleware that will help you debug your apps.



CLIENT-SERVER COMMUNICATION

FETCH HANDLING ERRORS

App is configured to handle errors in communicating with the server. In case of an error, an error message is generated depending on the status of response for a given request.



FURTHER WORK

- Adding Server and database
FrameWork: Express.js
Database: MongoDB
- Implementation of featured Blogs
- Blog rating all over the Web



Thank You!