

Colorify

An Application for Creating and Storing unique colors

- **Tech Stack Required:**

1. React
2. Firebase
3. CSS Flexbox

- **Requirements**

- An option to Create new Colors and store them in the Firestore
- Query Stored colors
- An option to Update Stored Colors
- An option to Delete Stored Colors
- Implement user-based Authentication so that every user will be able to store his unique set of colors

- **Sample:**

<https://adityabhoir777.github.io/colorify/>

- **Refrence:**

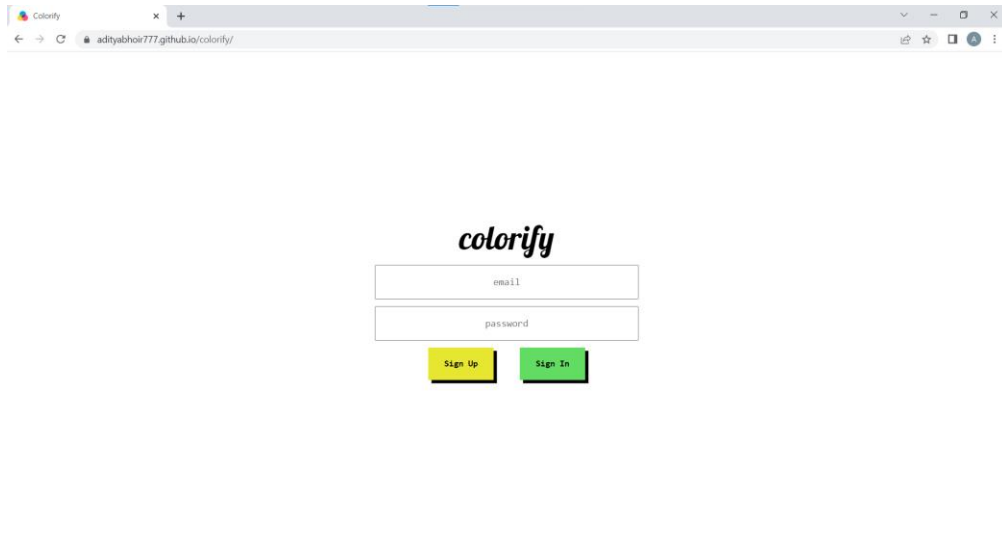
<https://ibjects.medium.com/reactjs-crud-application-using-firebase-firestore-database-authentication-and-hosting-9e464af5e181>

- **Note:**

- Be Creative with the Project, no requirement to follow the same style scheme and same steps provided in this file.
- Only start adding CSS once the base functionality is Complete.

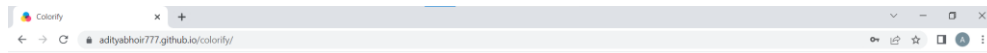
Steps

1. Create a Login Component for our Application



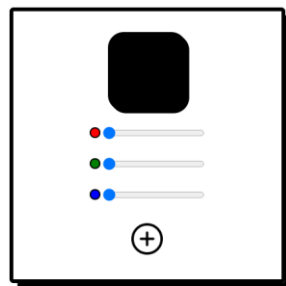
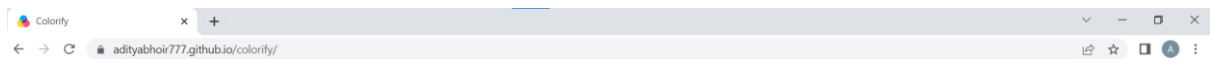
- Just like how in our Google Drive account, we have a unique set of documents stored corresponding to our email ID
- Similarly we want to create an application where every user will be able to store his unique set of colors
- To do that we will have to use Firebase Authentication in our Application.
- Provide with an option to Sign Up for the new User as well as Sign In for the existing user
- Handle all the Error Scenarios such as:
 - User Clicks on Sign In/ Sign Up buttons without entering the username and password
 - When user tries to login but he has not created an Account yet
 - When user enters an Invalid Password
 - When user tries to create an account using existing Email ID
 - When password is too short
 - Entered email address is not in the valid format
- After successful login take the user to the **Home Page**

2. Create a Home Page Component



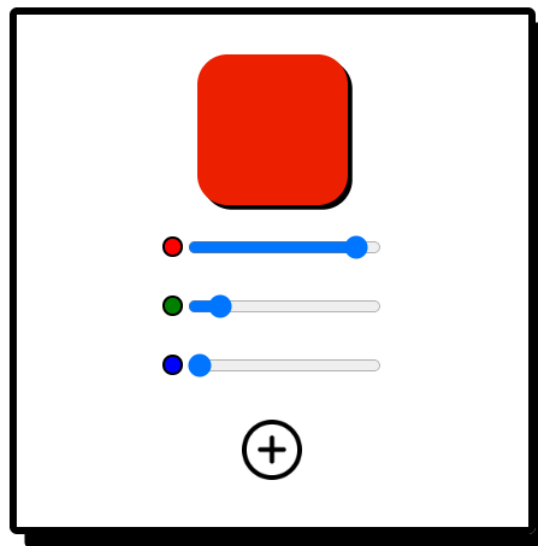
Sign Out

- Provide with a button to create a new color using RGB format
- On clicking the Add button open the component **Color Palette** for creating a unique color

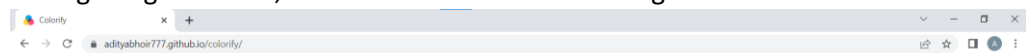


Sign Out

- In the Color Palette component provide with an option to generate a unique color using the Amount of RGB colors



- On Adding the given color, render it in the users Home Page



Sign Out

- Provide with an option to Delete and Edit the added colors

3. Provide one Sign Out button



- On clicking the Sign Out Button user should be directed back to the Login Screen