kalakar

An Advanced Web Programming Project

About Kalakar

- Kalakar is a collaborative drawing space for children to create drawings together on separate systems where one canvas can be used by any number of users.
- They have options to change colours and brush strokes with the inclusion of saving their drawings or resetting it.
- With this collaborative drawing space we aim to teach children about team work.
- This website can help children build up their creative mindset and team spirit at an early age.

Technology Used

- HTML5
- CSS3
- JavaScript
- AngularJS
- NodeJS
- ExpressJS
- P5.js
- Socket.io
- JSON
- Figma

Components

- **Home Page:**
  1. Heading
  2. Draw Button
- **Drawing Page:**
  1. Canvas
  2. Color Palette
  3. Stroke Options
  4. Random Word Generator
  5. Reset Button
  6. Save Button

Homepage

- Here we can see the header named “Kalakar” which when clicked, redirects us to the same page.
- There is a draw button which redirects the user to http://localhost:3000 which is the second page where the canvas and drawing tools are located.

Drawing Page

- The canvas is made using p5.js library and is used to draw by selecting various colours and stroke weights.
- The content being drawn will be shared to the user with same local host and vice versa because of socket.io.
- The random word generator provides different words every time we load this page using AngularJS Math libraries.
- Reset button can be used in renewing the drawing canvas and save button saves the current drawing in your computer.

Thankyou

Authors: Hussain Chaiwala, Aryan Verma