

Read Me – Task 1: Checkbox Art Description:

Checkbox Art is a simple web application that allows users to create colorful patterns and designs using checkboxes. Users can interact with the checkboxes to toggle their state and change their color. This project demonstrates how basic HTML checkboxes can be used creatively to generate visual patterns.

Usage:

First, select a colour from the dropdown, then draw by hovering over the checkboxes to create your desired pattern or design. Click the restart button to clear the canvas and start over.

Additional features:

CSS Framework: Bootstrap

Encountered Issues:

Initially, I intended to enable users to save and download a screenshot of their artwork by leveraging the html2canvas library. However, I encountered a challenge where the library doesn't capture user input but instead recreates the HTML body and not CSS or user input, resulting in screenshots consisting mainly of grey checkboxes instead of the intended artwork.

Future Implementations:

I envision adding more colour options or introducing custom shapes for future enhancements. Additionally, a feature to prevent cursor interaction from colouring the checkboxes—such as pressing down the mouse or a specific key—could enhance user experience. Moreover, implementing a more user-friendly method for saving the artwork image would be considered.