Grid Maker

Deployed Site: https://wei892.github.io/proj2_grid-maker/
Link to repo: https://github.com/wei892/proj2_grid-maker

1 - Team Members

Alan Po - Github: mankeipo
Jackson Wu - Github: jacksonw4881
Philip Cao - Github: ALostPocky
Wei Lin Li - Github: wei892

2 - Project Description

The Grid Maker project aims to create a website where users can create a pattern of grid boxes by adding an arbitrary number of rows and columns. Users can also remove rows and columns and paint boxes with their chosen color. The website will be simple and intuitive to use for the user. The page will be deployed on GitHub.

Feature Requirements - Zoo Directory Features

- [ ] Homepage:
    - [ ] Select an action from a menu
    - [ ] Add rows to the grid
    - [ ] Add columns to the grid
    - [ ] Remove rows from the grid
    - [ ] Remove columns from the grid
    - [ ] Select a color from a dropdown menu of colors
    - [ ] Color a single cell, by clicking on the cell, and changing its color to the selected color
    - [ ] Color all uncolored cells with the selected color
    - [ ] Color all cells with the selected color
    - [ ] Clear all cells' color and restore all cells to their initial color (e.g., white)
- [ ] Deployment:
    - [ ] Deploy the website on GitHub Pages for public access.

3 - Requirements

NR #1 - The user should be able to select an item from a menu
NR #2 - The user should be able to add rows to the grid
NR #3 - The user should be able to remove rows from the grid
NR #4 - The user should be able to add columns to the grid
NR #5 - The user should be able to remove columns from the grid
NR #6 - The user should be able to select a color from a drop-down menu of colors
NR #7 - The user should be able to color a single cell by clicking on the cell and changing the color to the selected color
NR #8 - The user should be able to be able to color all uncolored cells with the selected color
NR #9 - The user should be able to clear all cell's color and restore all cells to the original color (white)
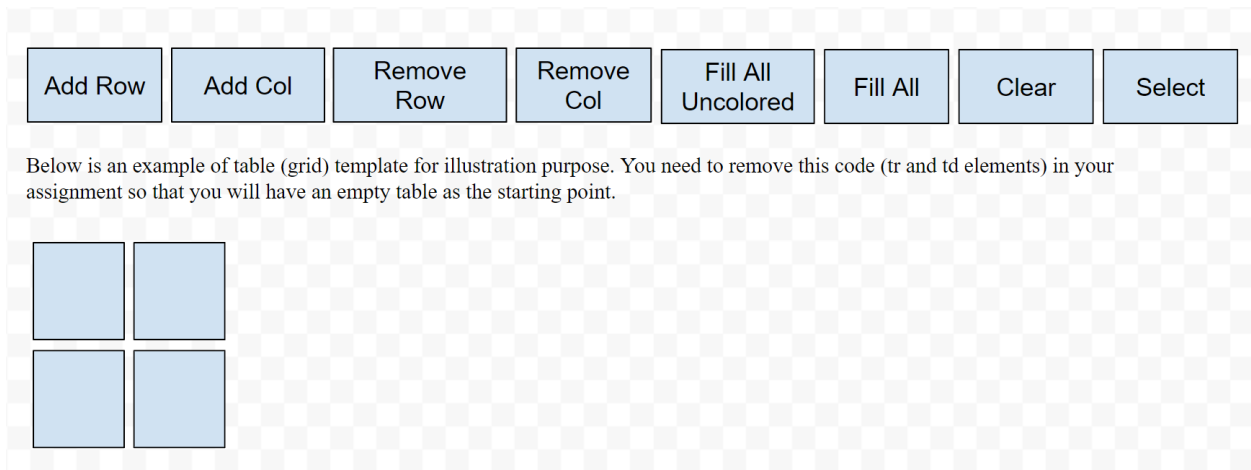NFR # 1 - Deploy the website on GitHub pages for public access.

4 - Software Architecture and Diagram

The application, Grid Maker, is an interactive webpage that allows users to add and remove rows and columns on a page based on the selection of choices they make. They are also able to color boxes with a specific color of their choice.

No backend or data storage is used for this project.

The project will be deployed using Github pages.

Below is an example of table (grid) template for illustration purpose. You need to remove this code (tr and td elements) in your assignment so that you will have an empty table as the starting point.

5 - Epics

5.1 Epic #1 – User Interaction and Navigation

Requirement Reference: NFR #1 - 9

Description: Users should be able to access all menu selections without any issues. All buttons and selections should work without any significant issues or delays.

5.2 Epic #2 – Deployment and Hosting

Requirement Reference: NFR #1

Description: The developer shall be able to successfully deploy the website on GitHub pages for public access.

6 - User Stories & Acceptance Criteria
User Story #1 – User Navigation

Epic Reference: Epic #1

Description: As a user, I want to be able to easily make any selection and have the page respond to the selections I make.

Acceptance Criteria:
To verify users are able to:
- Access the page and make a selection from the menu
- Add rows to the grid
- Add columns to the grid
- Remove rows from the grid
- Remove columns from the grid
- Select a color from a dropdown menu of colors
- Color a single cell, by clicking on the cell, and changing its color to the selected color
- Color all uncolored cells with the selected color
- Color all cells with the selected color
- Clear all cells' color and restore all cells to their initial color (e.g., white)

User Story #2 – Deployment and Hosting

Epic Reference: Epic #2

Description: As a developer, I want to deploy and host the website on GitHub Pages for public access.

Acceptance Criteria:
To verify deployers are able to:
- Host the website on GitHub Pages
- Access the page and share the link with the public

7 - Project Schedule

Project 2

Project start: **Tue, 9/26/2023**
Display week: **1**

TASK	ASSIGNED TO	PROGRESS	START	END
Initiation				
Set up team	Wei Lin	100%	9/26/23	9/29/23
Planning and design				
UX/UI design	Everyone	100%	9/30/23	10/1/23
Identify deliverables	Jackson	100%	10/2/23	10/2/23
Define scope	Philip	100%	10/2/23	10/2/23
Execution				
Execute tasks	Everyone	100%	10/3/23	10/8/23
Monitor progress	Everyone	100%	10/9/23	10/9/23
Provide updates	Everyone	100%	10/9/23	10/9/23
Testing and validation	Man Kei	100%	10/9/23	10/9/23
Evaluation				
Evaluate progress	Everyone	100%	10/10/23	10/10/23
Gather feedback	Everyone	100%	10/10/23	10/10/23
Final revison	Everyone	100%	10/10/23	10/10/23
Final submission	Everyone	100%	10/11/23	10/11/23