

Requirements:

- Compatibility on mobile browsers is expected
- No need to make the UI pretty (e.g., no bootstrap)

1. Given a number suffixed in a URL, make a grid of size n, and render it in HTML. No restrictions on the URL format.

e.g.,

<http://127.0.0.1/#/4>

2. Tapping on an empty grid square adds an 'x' to it. Tapping once more removes the 'x'.

e.g.,

x			
	x		
	x		
			x

3. Make x's draggable from their grid square to any other grid squares within the grid. If an x is drag-and-dropped to a grid square already containing an x, the drag-and-drop action is cancelled.

4. Make the positions of all x's sync in other browsers/tabs with the same URL from Step 1. No restrictions on the backend platform.

Browser 1

x			
	x		
	x		
			x

Browser 2

x			
	x		
	x		
			x