

Task

We need an upgrade to an existing jigsaw puzzle game functionality. The game is built in JavaScript and is integrated into and called from a Vue component in Nuxt.

We need to add a few new features:

New features

Scrolling bar for puzzle pieces

Add a boolean parameter, `useScrollingPieceBar`, to the constructor for the `Puzzle` class. If `false`, the puzzle game should work as now.

If `true`,

- The puzzle game should have all the initial pieces in a horizontal band sitting inside and at the bottom of the `forPuzzle` container.
- All the pieces should be in a single row and should (if necessary) scroll outside the `forPuzzle` container.
- The user shall be able to drag the pieces from the scrolling bar and drop them in on the main board.
- The scrolling bar should work with scrolling gestures and touch.
- The scrolling bar should not display scrollbars, and should scroll solely by using scrolling gestures and touch.

Show only edge pieces

At the top of the page in `JigsawPuzzle.vue` a button should flip on and off whether to only show edge pieces in the scrolling bar. The initial state should be that all pieces are shown.

Show image as background

At the top of the page in `JigsawPuzzle.vue` a button should flip on and off whether to show the completed image (greyed out) as a background on the main board. The initial state should be that the image is not shown.

Demo

To see an example of how the new features should work, see

<https://www.loom.com/share/c9297ff7cb9c485ab881c5f73da7b7bc?sid=1570f01f-690a-4333-b392-d9aede423fe4>

How to see the current code / functionality

The code is in a github repository, <https://github.com/mkelk/vue-jigsaw> and can be seen there. It can be cloned and run locally to see the current functionality. See the README in the repository for how to do this.

Delivery

The delivery should be a new branch in the repository containing the changes needed to implement the new features. The code should be able to be run locally using `npm run dev`.

Proposal

Please provide

- a fixed price offer
- a timeline for delivery
- a short note on why you are well suited to do the job