

Challenge

Multiplayer game "Guess the number between 0-100"

For this challenge we're making a multiplayer game where users can try and get the right number. This game consists out of three steps, first the creation of the visuals, secondly the creation of the call logic, and third the creation of a better user experience.

For this challenge, the use of preprocessors or transpiling is not allowed. Use vanilla JS, CSS, and HTML.

To hand this challenge back in - simply email it to joao.madeira@helloprint.com in a zipped file.

Step 1

For this step build the static page elements that are desired based on the example visual.

- Build html page that mimics as close as possible the image page.png visually. The technical implementation is up to your imagination.
- Layout should be responsive down to a iPhone 5 size, using only HTML and CSS for its styling.
- Image header_banner.png must rendered above the form fields and be scalable horizontally.

Step 2

For this challenge you must use the page created in step 1.

- In this game, 3 players can simultaneously or in a random order guess their chosen numbers. To achieve this, each button must trigger an asynchronous call to the following endpoint <https://www.drukzo.nl/joao.hlop.nl/challenge.php>
- These asynch calls must be handled simultaneously. The endpoint only allows GET requests with the following parameters in the query string. ◦ player=1 or 2 or 3 ◦ guess=integer between 0 and 100 ◦ The response will be in a json format:
 - {"guess": "lower"}
 - {"guess": "higher"}
 - {"guess": "Bingo!!!"}
- When one of the players gets the "Bingo!!!" message, all the buttons on the page must be disabled.

Step 3

Now that we have a functional game, we want to make it more interactive. Using html, css or Js animate the following elements. you are free to decide on the implementation of the visuals for this step.

- Create an animated button transition for the submit buttons when a user performs an action.
- Create an animated error visual when a faulty entry is added in the input fields.
- Celebrate the Bingo - Make Victory Festive.

Have fun and good luck!!!