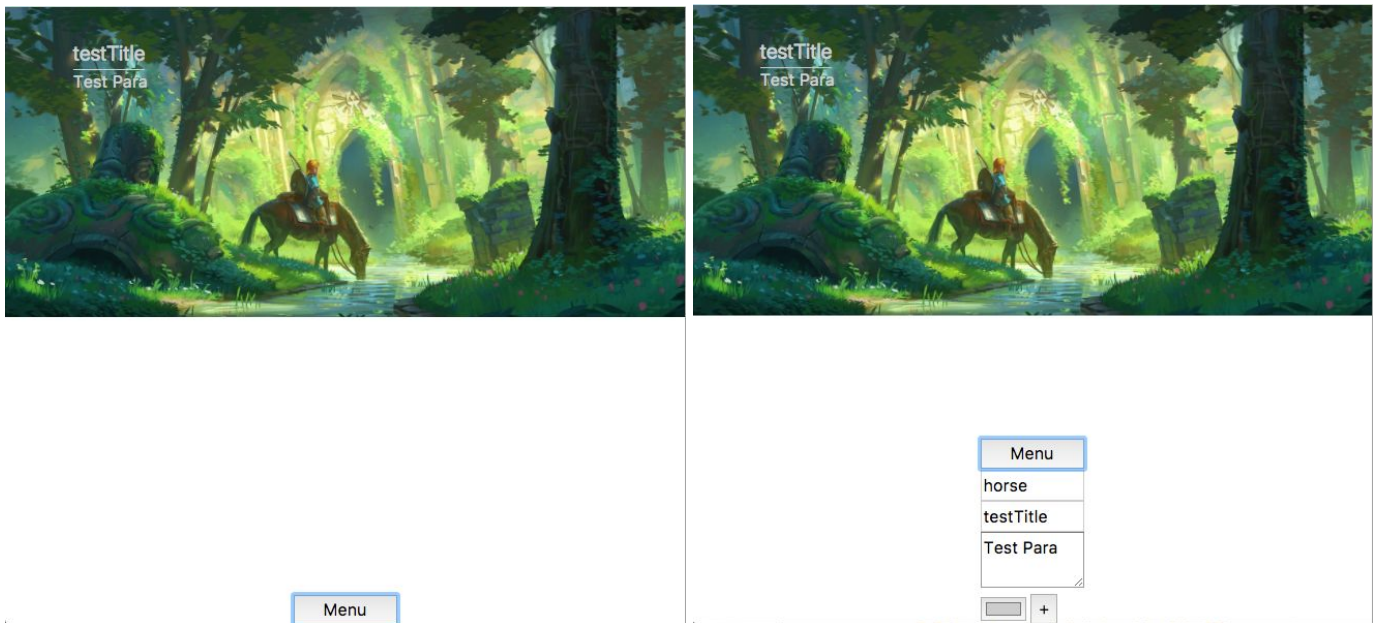


A SIMPLE STORYBOARD

Host on github ONLY after the exam /1

LEVEL 1 - BASIC HTML / CSS



There are only 2 components / `<div>`s.

- controls
- display

Controls

- menu `<button>`
- text `<input>` for backgroundImage filename
- text `<input>` for typing in a title
- text `<input>` for typing in a description
- color `<input>` for selecting a text color
- + `<button>` for creating new components / `<div>`s

The control `<div>` is fixed at the bottom center. Only the menu button is showing, while all other controls are off the screen.

Except for the color `<input>` and + `<button>`, every single control is 100% width of the controls width.

Display

- A background `<div>` that contains both title `<div>` and description `<div>`
 - title `<div>`
 - description `<div>`

The display `<div>` is positioned absolutely at the top left with 100vw. The background `<div>` is 100% of the display `<div>` and 300px in height. Make sure the position is relative as well because you'll be positioning the title and description `<div>` inside.

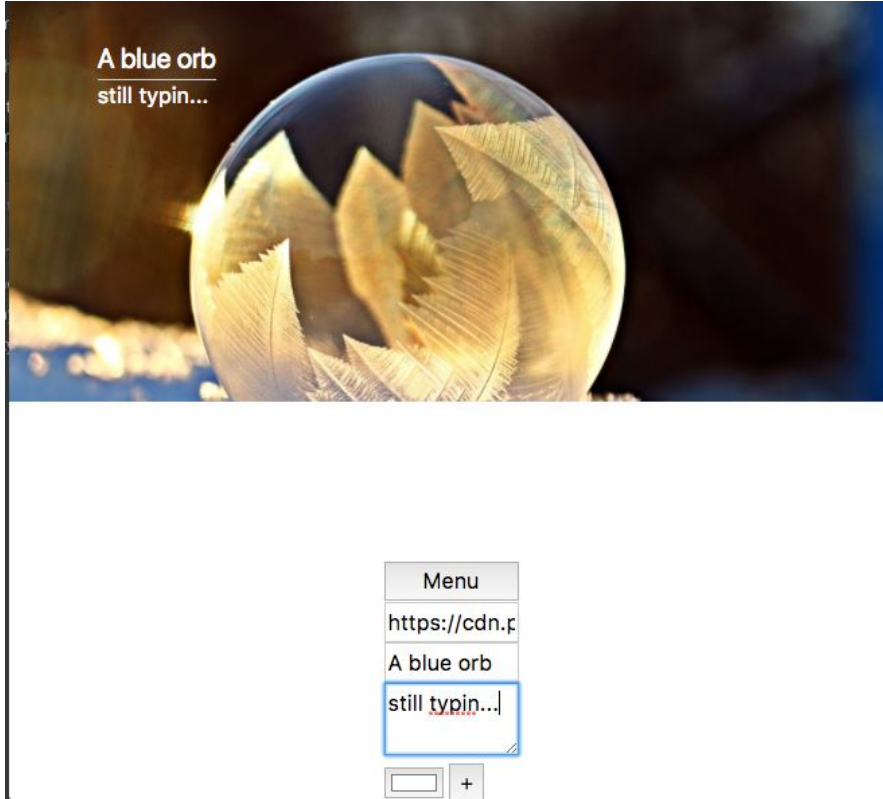
The title and description `<div>` are both positioned absolutely 10% from the left. The title is 10% from the top while the description is 20% from the top.

The title also has a bigger font-size and a grey border-bottom.

MARKS BREAKDOWN /9

For every incorrect style you lose 0.5-1 mark. 0.5 if you are on the right track. 1 if you are completely off / missing the style.

LEVEL 2 - SIMPLE JS

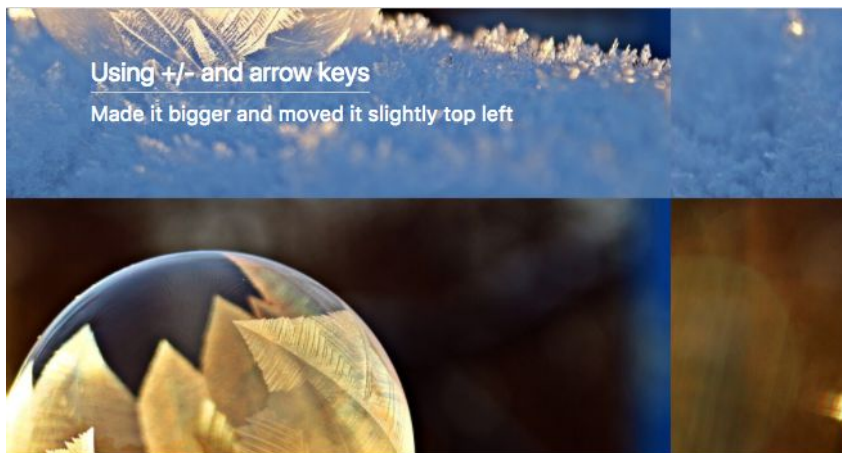


Interactions

1. Menu expands upward when clicked
2. Pressing return on the background text `<input>` changes the `backgroundImage` for the background `<div>` to the `<input>` value
3. Every time a key is pressed in the title `<input>`, the title `<div>` changes to the `<input>` value
4. Every time a key is pressed in the description `<input>`, the description `<div>` changes to the `<input>` value
5. Every time a color `<input>` is changed, change the title `<div>` and description `<div>`'s color style to the color `<input>` value (you will need to use the "change" event here instead of "click" or any of the key)

MARKS BREAKDOWN - /5

LEVEL 3 - CALCULATIONS



Menu	
https://cdn.p	
arrow keys	
moved it	
slightly top	
left	
<input type="text"/>	+

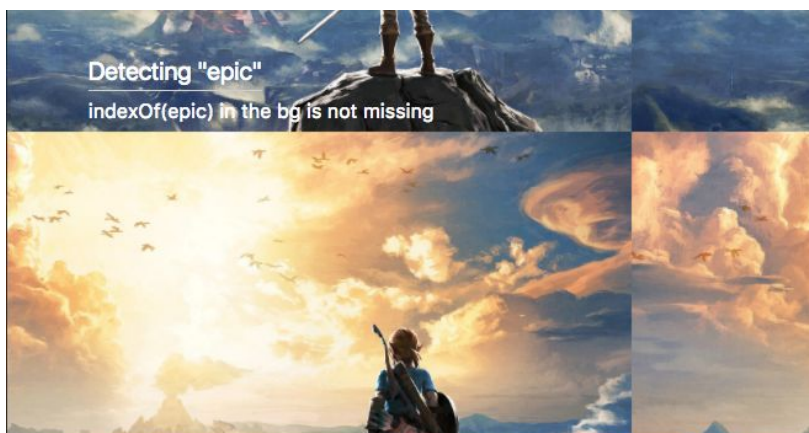
Below interactions all uses the keydown event

Interactions

1. Pressing **DOWN** the right/left/up/down arrow keys moves the backgroundPosition right/left/up/down by 10px
2. Pressing on +/- keys increases and decreases the height of the background <div> by 10px

MARKS BREAKDOWN /3

LEVEL 4 - IF/ELSE



Menu	
this is epic	
Detecting "e	
is not	
missing	
<input type="text"/>	+

There are several images in the img folder. On top of typing in links, you need to detect the following when changing the backgroundImage. Typing in:

- “horse” gives you img/bg1.jpg
- “night” gives you img/bg2.jpg
- “mountain” gives you img/bg3.jpg
- Using indexOf, if any part of the text contains the word “epic”, it’ll give you img/bg4.jpg

MARKS BREAKDOWN /3

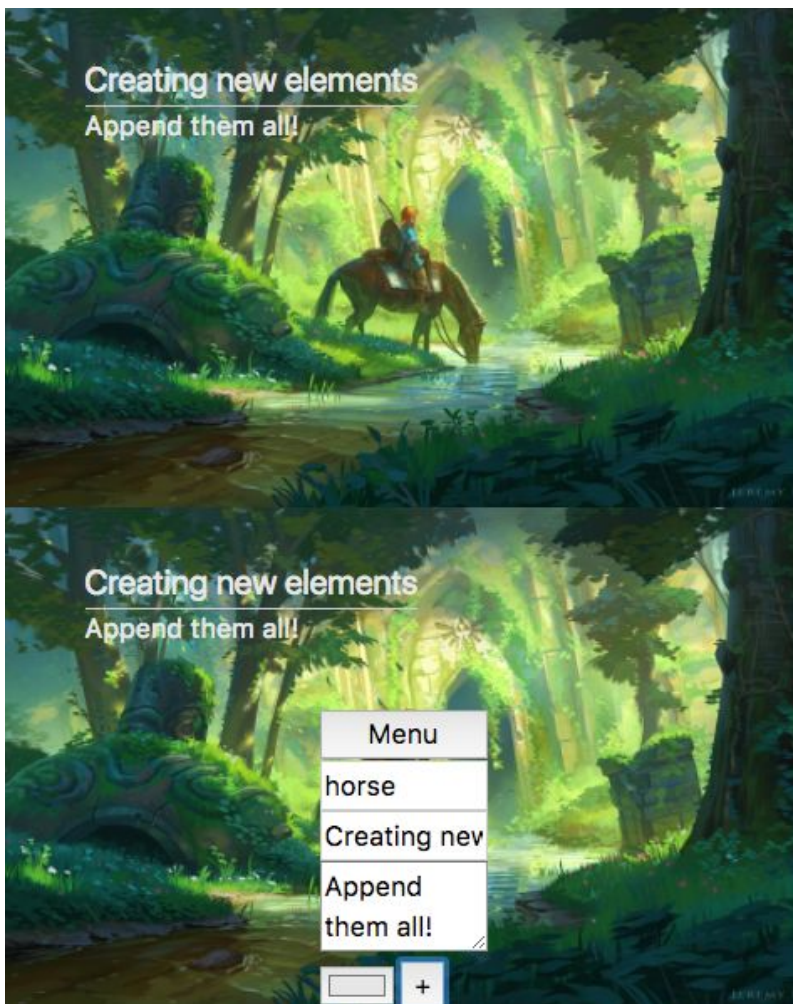
LEVEL 5 - FUNCTIONS

Break everything up into the following functions. Use the functions in the interactions.

- expandMenu()
- changeColor()
- changeDescription()
- changeTitle()
- changeBG()
- moveBG(keyCode)

MARKS BREAKDOWN /3

LEVEL 6 - CREATING NEW ELEMENTS



We need to be able to create new storyboards with title and description. So create more background <div> with title and description <div> appended. And then append the background <div> into the display <div>.

Use classes (className) to style them all properly.

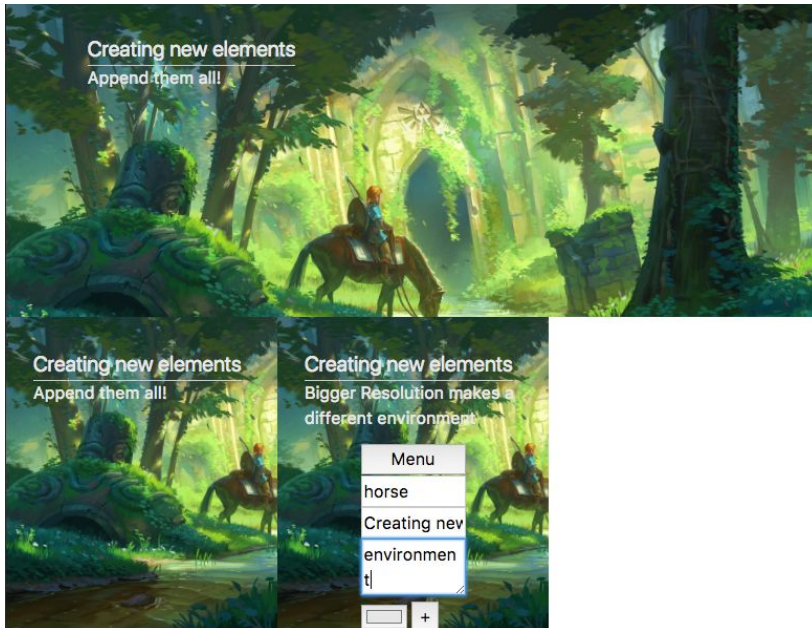
Assign the newly created `<div>`'s style with the current background `<div>`'s, title `<div>`, and description `<div>`'s style by using something call `style.cssText`,

Pass down the innerHTML of the title and description `<div>`s as well.

PS Make sure you style the controls `<div>` with a z-index of a huge number so that it stays in front.

MARKS BREAKDOWN /3

LEVEL 6.2 - BOOTSTRAP



As you create, also use bootstrap's class to make the following responsiveness. For the newly created `<div>`s :

- Occupy all 12 columns with extra small resolution
- Occupy 6 columns with small resolution
- Occupy 4 columns with medium resolution
- Occupy 3 columns with large resolutions

MARKS BREAKDOWN /2

FINAL CHALLENGE

Make it so that you're always editing the latest newly created `<div>`s with the controls.

MARKS BREAKDOWN /1

BONUS /1

Make it so that I can click on any of the element and start editing/transforming that specific element (including the ones newly created).

To do the background effectively, you'll have to extract the individual background positions by using a split function.

How split works.

```
var str = "10 15";
```

```
var split = str.split(" ");
```

```
console.log(str[0]) //outputs 10
```

```
console.log(str[1]) //outputs 15
```