

UNDER THE SAME SKY

BHAVYA JHA

Part 1

We live under the same sky, even though we live such different lives. Under The Same Sky is a window into the skies we see all over the world. In the world of fast moving reels and doom scrolling across a million different topics aimed at keeping you glued to the screen, this site makes you pause and admire the sky.

My website lets visitors add their pictures of skies with the location they took the picture at along with a description that becomes the alt-text for that picture.

It is simple and minimalist, with interactions limited to necessary elements needed to start a site with this concept. You can see skies, add your sky, see descriptions about every sky, and copy a link to the sky pictures you like.

The target audience is anyone who likes seeing the sky. It could be youngsters adding sketches of their skies or people who take lots of sky pictures and don't know what to do with them!

Part 2

- Button click (keyboard-focusable as well)- Click on the button 'See the next sky' to change the sky being displayed
- Button click (keyboard-focusable as well)- Click on the button 'Add your sky' to upload your sky picture with the location and detailed description.
 - Click on the button to upload your picture from your local system.
 - The sky picture should be called IMG_x.jpeg where x is a number from 29-40 for now.
 - Enter the location within the text input box
 - Enter a description that describes your thoughts and the sky for everyone to see.
 - Click the Upload My Sky button to upload your entry
 - Press the escape key on your keyboard to close the popup
- Secondary icon click - Click on the icons Notes, Copy to view the note for that sky and to copy the link to the sky photo respectively

Note for responsiveness:

This is built for a desktop website and so can be resized as a browser would. The desktop view on mobile phones also works.

Part 3

- Name of tool - Firebase Storage
- I chose to use it because it is an easy to use cloud storage by Google and has a free tier version with up to 10GB storage
- I used it to allow any visitor of the site to upload sky pictures and add location and description at the same time. This text would all be added to the file's custom metadata.
- This lets users upload files to the cloud storage. It lets the site maintain its speed with minimal storage usage.

Part 4

Iterations on design were done based on user feedback and usability tests with people who had design backgrounds as well as people who didn't. I improved on the placement of buttons based on importance, the font type, size and color. I also changed the possible features to connect with the user more and highlight their contribution to the sky collection.

Accessibility

- alt text uploaded using user description
- text shadow to make text visible and readable against changing colors in the background
- big clear buttons
- tooltip on side nav bar icons
- icon backgrounds to increase visibility against low contrast images

Part 5

The challenges I faced were to determine the difference between real-time database and storage for my use case.

I used storage because of the minimal calls I had to make to the database and eventually found that the metadata can't be appended to and had to work around that hurdle.

I also could not get the count of files in storage and had to limit the way files could be named and uploaded and then accessed by my code.

I had difficulty managing accessibility in terms of visibility of text and icons against all background pictures and I realise I could have tried libraries that worked with dark and light modes.

Appendix - WAVE summary

wave.webaim.org/report#/https://bhavjha.github.io/underthesamesky/ Update

The following apply to the entire page:
powered by WebAIM *en*

Address: https://bhavjha.github.io/underthesamesky/ C

Styles: OFF ON

Summary

Errors: 0 | Contrast Errors: 0

Alerts: 3 | Features: 1

Structural Elements: 3 | ARIA: 0

[View details >](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

The following apply to the entire page:
powered by WebAIM *en*

The page content includes:

- Under The Same Sky** (h1)
- Los Angeles, California (location)
- Add your sky (button with an upload icon)
- See the next sky (button)
- Bhavya (signature)
- Code (button)

A large sunset photograph of a city skyline is the background of the page.

Appendix - WAVE details

wave.webaim.org/report#/https://bhavjha.github.io/underthesamesky/ Update

The following apply to the entire page:
powered by WebAIM *en*

Address: https://bhavjha.github.io/underthesamesky/ Styles: OFF ON

Details

Summary Details Reference Order Structure Contrast

3 Alerts

- 2 X Possible heading   
- 1 X Noscript element  

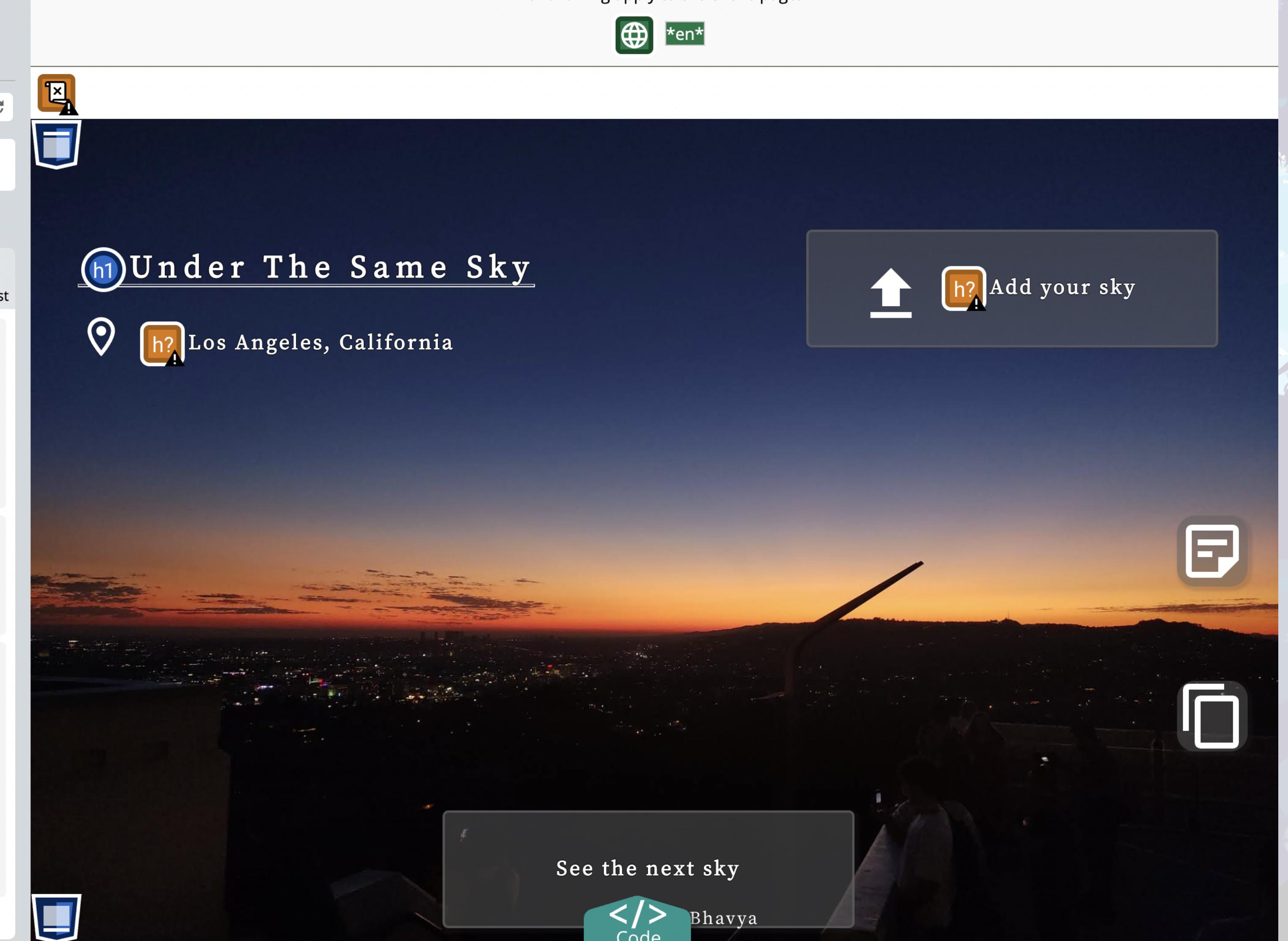
1 Features

- 1 X Language  

3 Structural Elements

- 1 X Heading level 1  
- 1 X Header  
- 1 X Footer  

If an icon does not appear within the page, turn off Styles above to view it.



The screenshot shows a website titled "Under The Same Sky" with a sunset background. The page includes a header with "Under The Same Sky" and "Los Angeles, California", a footer with "See the next sky", and a "Code" section at the bottom right. The WAVE tool interface is overlaid on the top left, displaying accessibility analysis results.