Write-up

Lily Du

Part 1:

This website acts as an exploration tool leading people going to the world of personality types, delving beyond the popular MBTI framework and introducing users to the existence of John Beebe's Eight Function Model. While MBTI has gained popularity, Beebe's model provides a deeper understanding of personalities. This platform demonstrates basic information on the 16 personalities and their corresponding function models.

The centerpiece of our website is an interactive 3D earth model, allowing users to navigate and discover MBTI characters from around the globe. This engaging feature enables users to visualize the distribution of personality types and build the air of playful exploration.

In addition to the interactive globe, our website presents a visual representation of the 16 personalities through character images. Each personality is depicted in their preferred environments, providing users with a vivid understanding of their unique characteristics.

This website is to offer a dynamic and visually appealing platform for individuals who are in the basic knowledge level of personality types. By combining interactive elements with informative content, our website invites users to play around, have fun, while learning about the differences between 16 personalities and knowing some basic functions in John Beebe's model.

Part 2: Use a bulleted list to describe how a user would interact with your website. For each item in your list, state

- The interaction type I implemented involves clicking on 3D shapes rendered. Specifically, the application has a sphere made up of 16 icosahedron shapes, each representing a different color. When you click on one of these shapes, an image associated with that color is displayed at the clicked position.
- Open the webpage.
    - Users can see a 3D scene with a self-rotating earth model and 16 colored self-rotating shapes(icosahedrons) around the earth. Each color represents a different category corresponding to the 4 colors of personality types.
    - Click on one of the 3D shapes (icosahedrons). When you click on a shape, the application will display the character image associated with that color at the clicked position.
    - The image will disappear if the user clicks outside of any interactive shapes or drag the earth model.

- ▪ Drag the earth model enables the user to explore all 16 different personality types in the detailed character pages.
  - – Click into the detailed character page
    - ▪ Users will see an environment picture of the mbti character and their mbti name, type, and a brief description.
    - ▪ Clicking the earth icon at the left top corner allows the user to go back to the homepage.
    - ▪ Clicking the function model picture on the right side triggers a pop-up box displaying the full names of the top four functions of the personality. Clicking it again will make the pop-up box disappear.

Part 3:

- – Three.js

- – I chose to use three.js since it's a very powerful library working with 3D models. It can help me build the interesting interactional functions on my homepage.

- – I use it to build a 3D scene for my homepage and make it attractive and fun to explore.

- – It adds the interactive 3D geometric earth model and 16 different IcosahedronGeometries as interaction icons.

Part 4:

My original prototypes are mostly 2D pictures and it's hard to visualize the 3D idea with Figma. The actual website I wrote has a more complicated 3D model that's auto-rotating and is interactable. Due to the large work amount spent on the 3D model, I deleted some optional pages mentioned in the previous write up. The main information on 16 personality types and their corresponding top function models are kept there for the final website.

Part 5:

Implementing this 3D model is not very easy. The library is new to me, a lot of functions would need to be searched out and explored slowly. It's also a bit complicated to manage 16 different characters' information and let them display in the same layout website page.

Panel 1 (Summary)

WAVE
powered by **WebAIM**
web accessibility evaluation tool

Address: https://fo-yyhhh.github.io/Eight-Function-M

Styles: OFF ⬤ ON

Summary

Summary | Details | Reference | Order | Structure | Contrast

0 Errors
0 Contrast Errors
2 Alerts
2 Features
0 Structural Elements
0 ARIA

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:

"press s" keyboard

</>
Code

Panel 2 (Details)

WAVE
powered by **WebAIM**
web accessibility evaluation tool

Address: https://fo-yyhhh.github.io/Eight-Function-M

Styles: OFF ⬤ ON

Details

Summary | Details | Reference | Order | Structure | Contrast

⚠ 2 Alerts
1 X No heading structure
1 X No page regions

✓ 2 Features
1 X Alternative text
1 X Language

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

The following apply to the entire page:

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Code

Address: https://fo-yyhhh.github.io/Eight-Function-M

Styles: OFF ON

Summary

Summary | Details | Reference | Order | Structure | Contrast

0 Errors
0 Contrast Errors
2 Alerts
2 Features
0 Structural Elements
0 ARIA

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:

INTJ

Architect

An Architect (INTJ) is a person with the Introverted, Intuitive, Thinking, and Judging personality traits. These thoughtful tacticians love perfecting the details of

Function Hierarchy

Ni

Te

Code

Address: https://fo-yyhhh.github.io/Eight-Function-M

Styles: OFF ON

Details

Summary | Details | Reference | Order | Structure | Contrast

☑ ⚠ **2 Alerts**
  ☑ 1 X No heading structure
  ☑ 1 X No page regions

☑ ✓ **2 Features**
  ☑ 1 X Alternative text
  ☑ 1 X Language

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

The following apply to the entire page:

INFP

Mediator

Screenshot(Alt + A)

A Mediator (INFP) is someone who possesses the Introverted, Intuitive, Feeling, and Prospecting personality traits. These rare personality types tend to be quiet, open-minded, and imaginative, and they apply a caring and

Function Hierarchy

Fi

Ne

Code