

12/09/2022

PUI- FP DOCUMENT

PARVATHY ANAND

About the Website

The BTS ARMY Hub is an informational resource for newer fans of BTS. It contains detailed information about the seven members of BTS and a calendar with updates about BTS-related events and activities. Since the BTS members are entering a new phase as solo artists, this website will make it easier to keep updated with the new releases of each member.

The color palette and aesthetic of the homepage are inspired by BTS concert arenas. And, the website is media-rich with images, illustrations, and music related to BTS which the fans will find delightful. The small hover interactions add an exciting interactive aspect to the website. Additionally, the website is responsive in two sizes - laptop (**1440x 900**) and phone (**414x896**).

Actions the user will take I

- The user is on the homepage.
- The user reads the text and scrolls down parallelly.
 - Parallax effect while scrolling down

The user can click the sound button on the left to play music in the background and mute it too.

- The user clicks on the 'Learn more about the members' button
 - The hover animation indicates that it is clickable.
- The user is on the Members page.
- The user scrolls down to the clickable icons of each member
 - Parallax effect while scrolling down
 - Hover animation on the icons

Actions the user will take II

- It will lead to the respective members' page with images, information, and an embedded Spotify playlist
 - Made with templates using JSON and URL parameters.
 - Listen to music via the embedded Spotify playlist
- The user will go to the calendar page to check upcoming events with the help of the embedded google calendar.
- The user can navigate the website with the navigation bar at the top.
 - The arrow on the left side will take the user to the previous page
 - The links on the right side will take the user to their respective destinations.
 - Hover animation on the links

Libraries Used I

Relax.js

- The reason behind using this library was to add visual interest to the website. The parallax scroll effect gives a sense of depth and interaction to the illustration.
- I used it on the homepage to create a concert scene with stars and galaxies in the background and an arena in the foreground. The stadium scrolls over the text, thereby giving it an illusion of depth
- It adds excitement and engagement to something basic like scrolling.



Libraries Used II

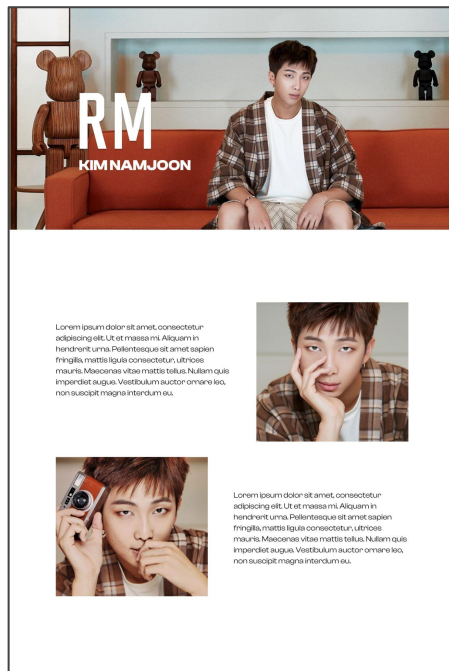
Bodymovin.js & Lottie

- Used Lottie to convert After Effects animations to JSON using Lottie and load them and play them on hover using bodymovin.js.
- -I made animations on After Effects and using Lottie, I exported them as JSON files. Then I used bodymovin.js to play them on hover. The animations highlight the members as they pop out during hovering. The glowing effect also indicates that it is clickable.

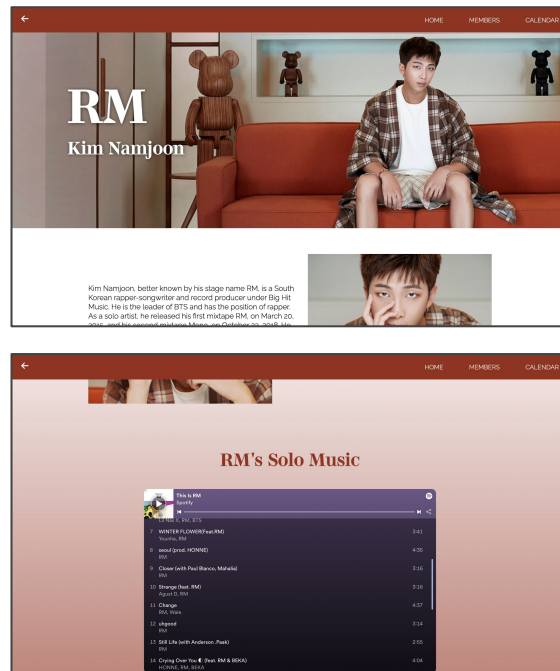


Iterations made

- The initial scope was to document BTS's discography which was not possible within the timeframe.
- Then, I decided to make a website about the members. The final design member templates have more color and details. I embedded Spotify playlists of each member using the iframe tag. According to the critique received in the lab sessions, I added a nav bar that helps in easy navigation.



Initial version



Revised version

Challenges

- Certain micro-interactions and page transitions on the Figma prototype were too ambitious to implement. Hence, they were removed for the final iteration.
- It was also difficult to understand the documentation of certain javascript libraries and APIs like Spotify SDK. the critique received in the lab sessions, I added a nav bar that helps in easy navigation.

WAVE ACCESSIBILITY CHECK I

The image displays the WAVE accessibility evaluation tool interface, which is powered by WebAIM. The tool is used to evaluate the accessibility of a website, in this case, the BTS Army Hub.

Summary:

- Errors: 0
- Contrast Errors: 3
- Alerts: 2
- Features: 3
- Structural Elements: 5
- ARIA: 0

Details:

- 3 Contrast Errors**
 - 3 X Very low contrast
- 2 Alerts**
 - 1 X Device dependent event handler
 - 1 X HTML5 video or audio
- 3 Features**
 - 2 X Alternative text
 - 1 X Language
- 5 Structural Elements**
 - 1 X Heading level 1
 - 1 X Unordered list
 - 1 X Header
 - 1 X Navigation
 - 1 X Main content

The background image shows the BTS Army Hub website, which has a dark purple background with a starry space theme. The main heading is "BTS ARMY HUB" in large, glowing purple letters. Below the heading, there is a paragraph of text about BTS, an acronym of Bangtan Sonyeondan or "Beyond the Scene," is a Grammy-nominated South Korean group that has been capturing the hearts of millions of fans globally since its debut in June 2013. Another paragraph states, "This is a website for the fans of BTS to learn more about the members of BTS and stay updated with their activities."

WAVE ACCESSIBILITY CHECK II

WAVE powered by [WebAIM](#)
web accessibility evaluation tool

Styles: OFF ☐ ON ☒

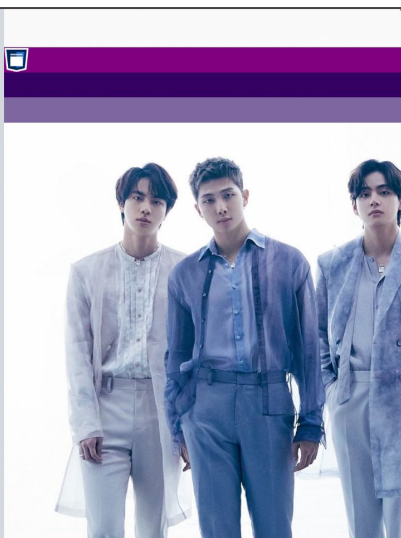
Summary

Summary Details Reference Order Structure Contrast

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

[View details](#)

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



WAVE powered by [WebAIM](#)
web accessibility evaluation tool

Styles: OFF ☐ ON ☒

Details

Summary Details Reference Order Structure Contrast

- 2 Alerts
 - 1 X Skipped heading level
 - 1 X Redundant link
- 2 Features
 - 1 X Linked image with alternative text
 - 1 X Language
- 19 Structural Elements
 - 1 X Heading level 1
 - 7 X Heading level 3
 - 7 X Heading level 4
 - 1 X Unordered list
 - 1 X Header
 - 1 X Navigation
 - 1 X Main content

The following apply to the entire page:

HOME MEMBERS CALENDAR

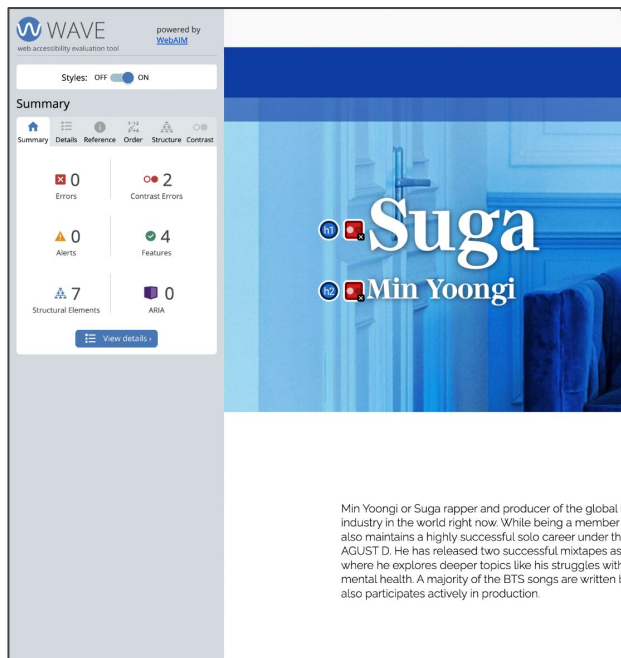
THE MEMBERS

Code

THE MEMBERS



WAVE ACCESSIBILITY CHECK III



WAVE powered by WebAIM

Styles: OFF ON

Summary

Errors: 0

Contrast Errors: 2

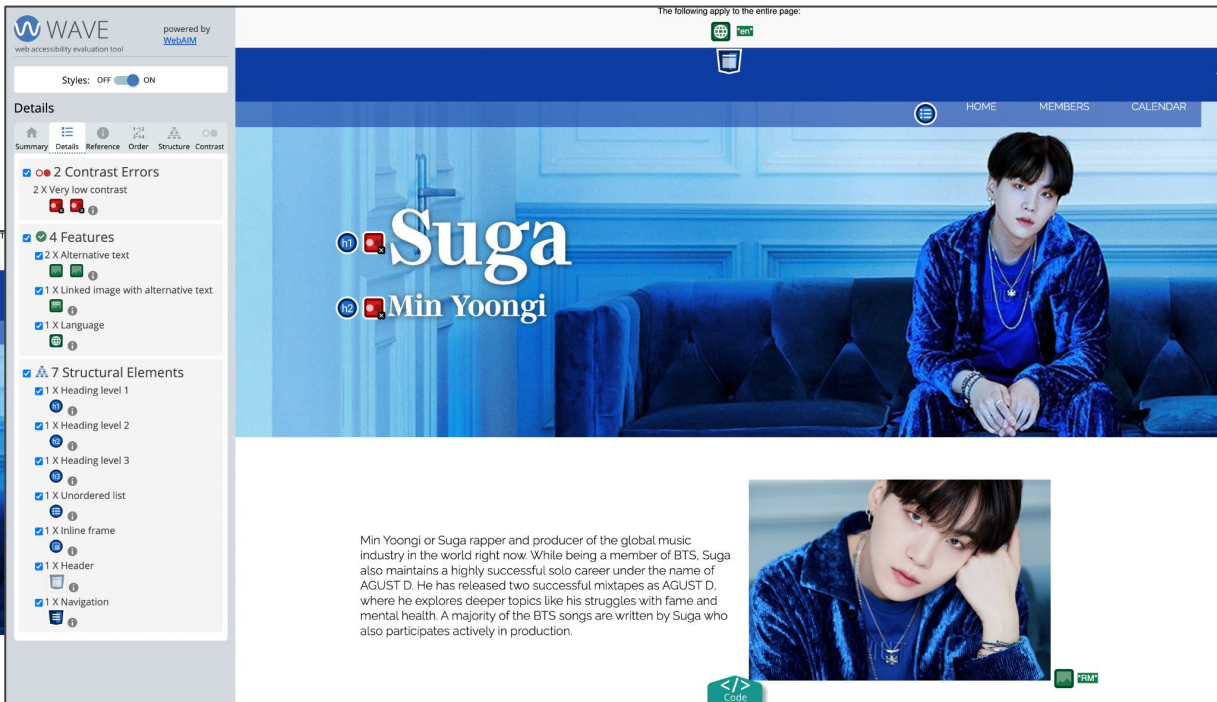
Alerts: 0

Features: 4

Structural Elements: 7

ARIA: 0

View details



WAVE powered by WebAIM

Styles: OFF ON

Details

2 Contrast Errors

2 X Very low contrast

4 Features

2 X Alternative text

1 X Linked image with alternative text

1 X Language

7 Structural Elements

1 X Heading level 1

1 X Heading level 2

1 X Heading level 3

1 X Unordered list

1 X Inline frame

1 X Header

1 X Navigation

The following apply to the entire page:

HOME MEMBERS CALENDAR

Suga Min Yoongi

Min Yoongi or Suga rapper and producer of the global music industry in the world right now. While being a member of BTS, Suga also maintains a highly successful solo career under the name of AGUST D. He has released two successful mixtapes as AGUST D, where he explores deeper topics like his struggles with fame and mental health. A majority of the BTS songs are written by Suga who also participates actively in production.

Code

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WAVE ACCESSIBILITY CHECK IV

The screenshot shows the WAVE web accessibility evaluation tool interface. At the top, it says "WAVE powered by WebAIM" and "web accessibility evaluation tool". Below this, there's a "Styles: OFF ON" toggle. The main section is titled "Summary" and contains a grid of icons and counts for different types of issues: 0 Errors, 0 Contrast Errors, 1 Alerts, 2 Features, 6 Structural Elements, and 0 ARIA. A "View details" button is located below the grid. At the bottom, a message states: "Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility."

The screenshot shows the BTS Events Calendar website with the WAVE accessibility tool overlay. The website header includes the title "BTS EVENTS CALENDAR" and a subtitle "Stay up to date with BTS's official schedules and releases!". Navigation links for "HOME", "MEMBERS", and "CALENDAR" are visible. The main content area displays a calendar for December 2022, showing various events such as "2022 MAMA Awards", "2022 MAMA Awards Special", "2022 MAMA Awards Special 2", "2022 MAMA Awards Special 3", "2022 MAMA Awards Special 4", "2022 MAMA Awards Special 5", "2022 MAMA Awards Special 6", "2022 MAMA Awards Special 7", "2022 MAMA Awards Special 8", "2022 MAMA Awards Special 9", "2022 MAMA Awards Special 10", "2022 MAMA Awards Special 11", "2022 MAMA Awards Special 12", "2022 MAMA Awards Special 13", "2022 MAMA Awards Special 14", "2022 MAMA Awards Special 15", "2022 MAMA Awards Special 16", "2022 MAMA Awards Special 17", "2022 MAMA Awards Special 18", "2022 MAMA Awards Special 19", "2022 MAMA Awards Special 20", "2022 MAMA Awards Special 21", "2022 MAMA Awards Special 22", "2022 MAMA Awards Special 23", "2022 MAMA Awards Special 24", "2022 MAMA Awards Special 25", "2022 MAMA Awards Special 26", "2022 MAMA Awards Special 27", "2022 MAMA Awards Special 28", "2022 MAMA Awards Special 29", "2022 MAMA Awards Special 30", "2022 MAMA Awards Special 31". The WAVE tool overlay on the left shows a "Details" panel with a list of accessibility issues: 1 Alerts (1 X Redundant link), 2 Features (1 X Linked image with alternative text, 1 X Language), and 6 Structural Elements (1 X Heading level 1, 1 X Unordered list, 1 X Inline frame, 1 X Header, 1 X Navigation, 1 X Main content). At the bottom of the WAVE tool, there's a "Code" button.