

12/09/2022

PUI- FP DOCUMENT

PARVATHY ANAND

1) 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**).

2) 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

2) 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

3) 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.



3) Libraries Used II

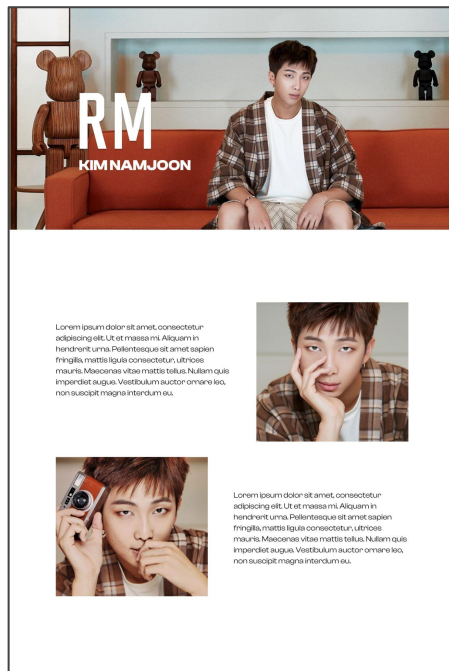
Bodymovin.js & Lottie

- 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.

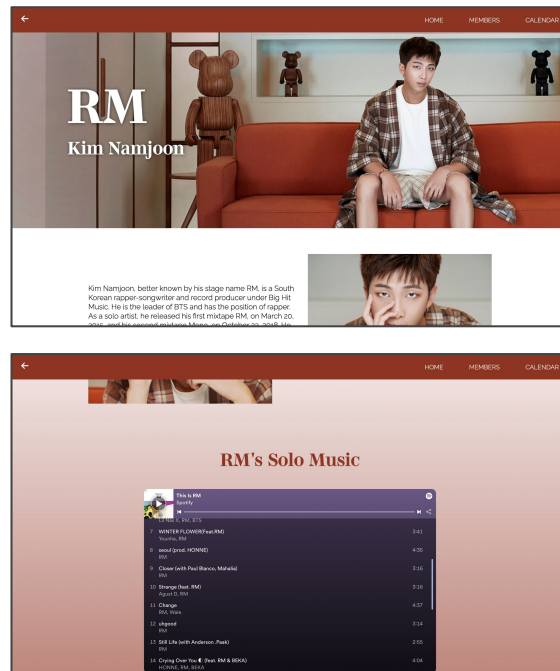


4) Iterations made

- 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

5) 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 (Web Accessibility Evaluation Tool) interface, powered by WebAIM, evaluating the accessibility of a website titled "BTS ARMY HUB". The interface is split into a left sidebar for navigation and a main content area showing the website's content with overlaid accessibility alerts.

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 main content area shows the "BTS ARMY HUB" website with a dark purple background and white text. The text includes: "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." and "This is a website for the fans of BTS to learn more about the members of BTS and stay updated with their activities." The WAVE tool overlays red and yellow icons indicating accessibility issues on the website content.

WAVE ACCESSIBILITY CHECK II

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

Styles: OFF ON

Summary

- 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

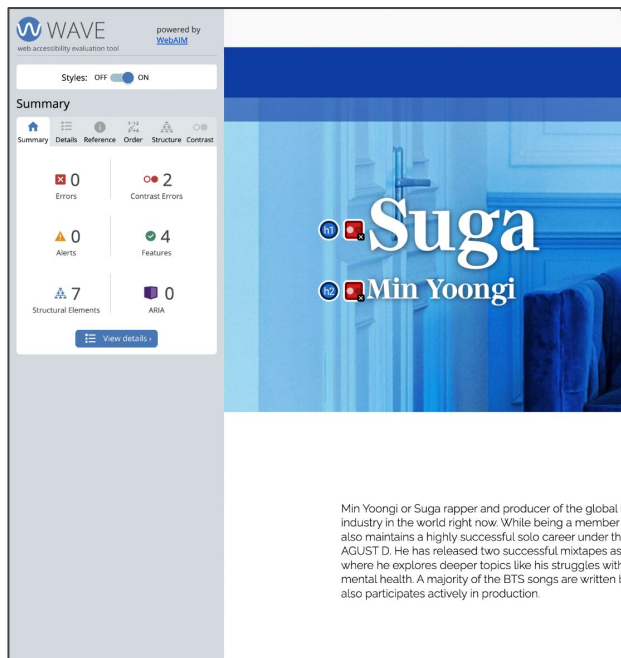
- 2 Alerts**
 - 1 X Skipped heading level
 - 1 X Redundant link
- 2 Features**
 - 1 X Linked image with alternative text
 - 1 X Language
- 19 Structural Elements**
 - 1 X Heading level 1
 - 7 X Heading level 3
 - 7 X Heading level 4
 - 1 X Unordered list
 - 1 X Header
 - 1 X Navigation
 - 1 X Main content

The following apply to the entire page:

THE MEMBERS

[Code](#)

WAVE ACCESSIBILITY CHECK III



WAVE powered by WebAIM

Styles: OFF ON

Summary

Errors: 0

Contrast Errors: 2

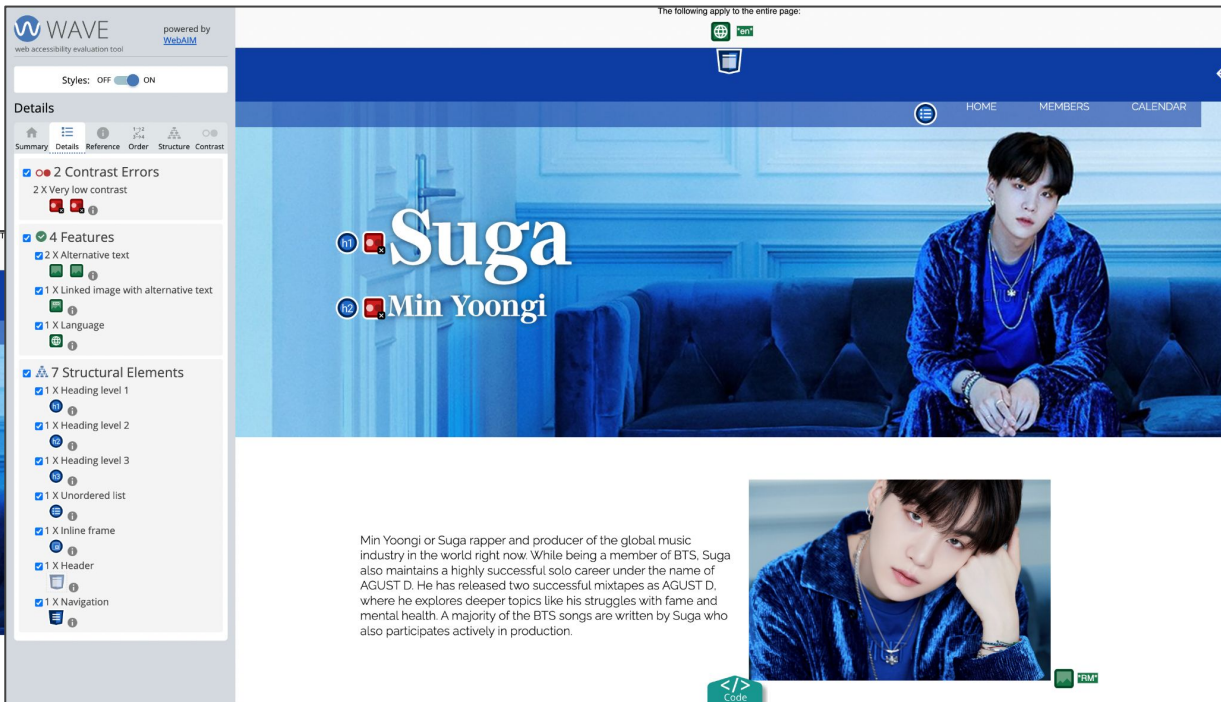
Alerts: 0

Features: 4

Structural Elements: 7

ARIA: 0

View details



WAVE powered by WebAIM

Styles: OFF ON

Details

Summary Details Reference Order Structure Contrast

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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Code

TRIM

The image is a composite of two screenshots. The left screenshot shows a web accessibility evaluation tool interface. At the top, it says 'WAVE' with the tagline 'web accessibility evaluation tool' and 'powered by WebAIM'. Below this is a 'Styles' toggle set to 'OFF'. The main section is titled 'Summary' and contains a navigation bar with links: Summary, Details, Reference, Order, Structure, and Contrast. The 'Summary' tab is active, showing four categories of errors: Errors (0), Contrast Errors (0), Alerts (1), Features (2), Structural Elements (6), and ARIA (0). A 'View details...' button is at the bottom. A message at the bottom states: 'Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.' The right screenshot shows a calendar for December 2022. It features a grid with dates and events. Notable events include 'DIN'S BIRTHDAY' on the 4th, 'j-Hope "Back in the Box" (Album)' on the 11th, and 'j-Hope "Back in the Box" (Album)' on the 12th. The calendar also shows dates for 2023, such as '2023 MAMA' on the 28th and '2023 MAMA' on the 29th.

The image is a composite of two screenshots. The left screenshot shows the WAVE (Web Accessibility Evaluation Tool) interface. It has a header with the WAVE logo and 'powered by WebAIM'. Below the header is a 'Styles' toggle set to 'OFF'. The main content area is titled 'Details' and contains a list of accessibility issues categorized into 'Alerts', 'Features', and 'Structural Elements'. The right screenshot shows the 'BTS EVENTS CALENDAR' for December 2022. The calendar is a monthly grid with events listed for each day. The events include album releases (e.g., '2022 MAMA AWARDS', '2022 MAMA AWARDS 2nd', '2022 MAMA AWARDS 3rd'), live performances (e.g., 'J-HOPE "LACK IN THE BOX"', 'J-HOPE "I HOPE ON THE STREET"'), and other events (e.g., 'J-HOPE "I HOPE ON THE STREET"', 'J-HOPE "I HOPE ON THE STREET"'). A 'Code' button is visible at the bottom of the calendar view.