

YeezyDB: SEG3125 Project 2 Report

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Disclaimer: this project is made and tested using a laptop screen, so mobile design was not considered.

Previous experience in JavaScript:

Previous experience in JavaScript development ranges from team website development in classes and building 2-D airplane instruments during co-op. I also completed a Codecademy course on HTML, while doing some with CSS and JavaScript. Besides the first project, becoming more familiar with Bootstrap, this will be the first time I will fully develop a fully functional Bootstrap-React application on my own using HTML, CSS, and JavaScript.

Tutorial videos/readings used:

The rest of my development, I used tutorials in W3Schools and the Bootstrap documentation to build the website. The W3Schools tutorial was especially useful in understanding containers, grids, colors, images, and typography for headers, and implementing the navbar, forms, buttons, button groups, cards, radio buttons, input groups and modals. Also, they were helpful for stylings such as container border radiuses for rounded buttons.

<https://www.w3schools.com/bootstrap5/index.php>

The bootstrap documentation helped implement progress bars for the like to dislike ratios, ratio buttons to implement likes and dislike buttons.

<https://getbootstrap.com/docs/5.0/getting-started/introduction/>

The NetNinja React tutorial was crucial to completing the project, with the code from the project learned mostly from the tutorial code. Particularly, useFetch was used to fetch data from the JSON server and is the same as the tutorial as demonstrated.

<https://www.youtube.com/playlist?list=PL4cUxeGkcC9gZD-Tvwfod2galSzfRiP9d>

<https://github.com/iamshaunjp/Complete-React-Tutorial/tree/lesson-32>

This project used Bootstrap-React to implement, and I did use some of the official documentation for reference to convert Bootstrap code properly, along with short Youtube videos to setup and get started on my app.

<https://react-bootstrap.github.io/>

<https://react-bootstrap.netlify.app/components/modal/#rb-docs-content>

<https://react-bootstrap-v5.netlify.app/components/images/>

<https://react-bootstrap.github.io/components/navbar/>

<https://www.youtube.com/watch?v=xdXd8BJwJ-U>
<https://www.youtube.com/watch?v=8pKjULHzs0s>
<https://www.youtube.com/watch?v=hQAHSITcmY&t=7s>

Used this template and Glitch to deploy the project and JSON server to Netlify.

<https://www.freecodecamp.org/news/how-to-deploy-react-router-based-app-to-netlify/>
<https://github.com/ikramdeveloper/json-server-deploy>

Used these tutorials to persist the language state of the homepage.

<https://dev.to/selbekk/persisting-your-react-state-in-9-lines-of-code-9go>
<https://joaoforja.com/blog/how-to-persist-state-after-a-page-refresh-in-react-using-local-storage>

Used this tutorial to get started on implementing user account login and logouts.

<https://www.youtube.com/watch?v=91qEdc6dSUs>

Used these to fix errors in deploying the project.

<https://stackoverflow.com/questions/55625431/warning-validatedomnesting-a-cannot-appear-as-a-descendant-of-a>
<https://stackoverflow.com/questions/6317892/suppress-expected-and-instead-saw-error-in-jslint>
<https://stackoverflow.com/questions/72511039/autoprefixer-replace-color-adjust-to-print-color-adjust-the-color-adjust-short>
<https://stackoverflow.com/questions/58220995/cannot-read-property-history-of-undefined-usehistory-hook-of-react-router-5>
<https://stackoverflow.com/questions/26069238/call-multiple-functions-onclick-reactjs>

Input validation was learned and adapted from the following sources.

<https://stackoverflow.com/questions/41296668/how-do-i-add-validation-to-the-form-in-my-react-component>
<https://stackoverflow.com/questions/46155/how-can-i-validate-an-email-address-in-javascript>
<https://www.kindacode.com/article/react-how-to-show-hide-password-in-an-input-field%EF%BF%BC/>

Styling and aesthetic fixes followed from here.

<https://stackoverflow.com/questions/29641526/how-can-images-be-resized-using-bootstrap>
<https://stackoverflow.com/questions/16466240/adjusting-and-image-size-to-fit-a-div-with-bootstrap>
<https://stackoverflow.com/questions/50743134/how-do-i-disable-the-border-on-bootstrap-4-cards>
<https://stackoverflow.com/questions/11828829/twitter-bootstrap-how-to-get-rid-of-underlined-button-text-when-hovering-over-a>
<https://blog.devgenius.io/react-bootstrap-navbars-7853c7b9f349>
<https://stackoverflow.com/questions/20774856/right-alignment-of-element-in-li-in-bootstrap-css>
<https://stackoverflow.com/questions/22565247/bootstrap-modal-link?answertab=trending#tab-top>
<https://stackoverflow.com/questions/62110521/how-to-map-images-in-reactjs>
<https://stackoverflow.com/questions/57221956/how-to-map-items-in-row-with-react-bootstrap>

I installed a module to use the official bootstrap icons for the person icons for user accounts, zoom in icons, and thumbs up/down icons for the likes/dislikes.

<https://icons.getbootstrap.com/>
<https://www.npmjs.com/package/react-bootstrap-icons>

Site Description:

Yeezy DB (database) provides the information on all Yeezy shoe models in an easy and accessible manner; this includes initial release dates and prices. There will also include the main links to purchase, and rate/favourite specific models and/or colorways. You can also review these Yeezy models and rate them and be able to view all reviews made by others and yourself. This project aims to target sneakerheads, Kanye West fans, and fashion enthusiasts.

Inspiration sites:

For general neutral, minimalist aesthetic: <https://www.yeezysupply.com/>

For viewing information about a specific shoe and model descriptions: <https://stockx.com/>

For likes and comments: <https://www.youtube.com/>

Text directly quoted in shoe model descriptions and the FAQ provided below.

<https://stockx.com/adidas-yeezy-wave-runner-700-solid-grey>

<https://stockx.com/adidas/yeezy/350/v1>

<https://stockx.com/adidas-yeezy-foam-rnnr-ararat>

<https://stockx.com/adidas-yeezy-boost-350-v2-steeple-grey-beluga-solar-red>

<https://stockx.com/yeezy-slide-bone>

<https://www.reddit.com/r/yeezys/wiki/faq/sizing/>

The YeezyDB logo is adapted from the Yeezy logo, made using Photoshop and my previous experience with it.

<https://logos.fandom.com/wiki/Yeezy>

Other images used are from stock image websites, with links provided below.

<https://sneakersninja.com/product/adidas-yeezy-700-waverunner/>

<https://www.flightclub.com/yeezy-boost-350-v2-steel-grey-beluga-solar-red-201422>

<https://thesneakersbible.fr/histoire-yeezy-adidas/yeezy-boost-350-v1/>

<https://restocks.net/en/p/adidas-yeezy-foam-rnnr-ararat>

<https://kickstw.com.au/product/adidas-yeezy-slide-bone/>

<https://logos-download.com/1102-ebay-logo-download.html>

<https://sneakernews.com/2017/06/13/adidas-yeezy-boost-350-v2-zebra-now-on-adidas-confirmed/>

Original Mockups:



All Yeezy shoe models in your hands

Explore the archive and legacy of YZY

[View Database](#)



Yeezy of the Day:
Model 1



Model 1



Model 2



Model 3



Model 4



Model 5



Model 6





Product Description:

"INSERT TEXT HERE"
"INSERT TEXT HERE"
"INSERT TEXT HERE"
"INSERT TEXT HERE"
"INSERT TEXT HERE"
"INSERT TEXT HERE"
"INSERT TEXT HERE"
"INSERT TEXT HERE"

Yeezy Model

Colorway

Input

Item 1

Item 2

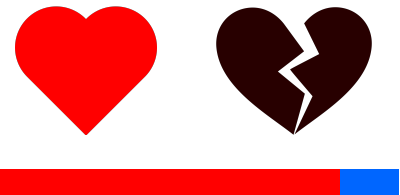
Item 3

Item 4

Retail: \$___ USD

Sizing: ____

Ebay Link



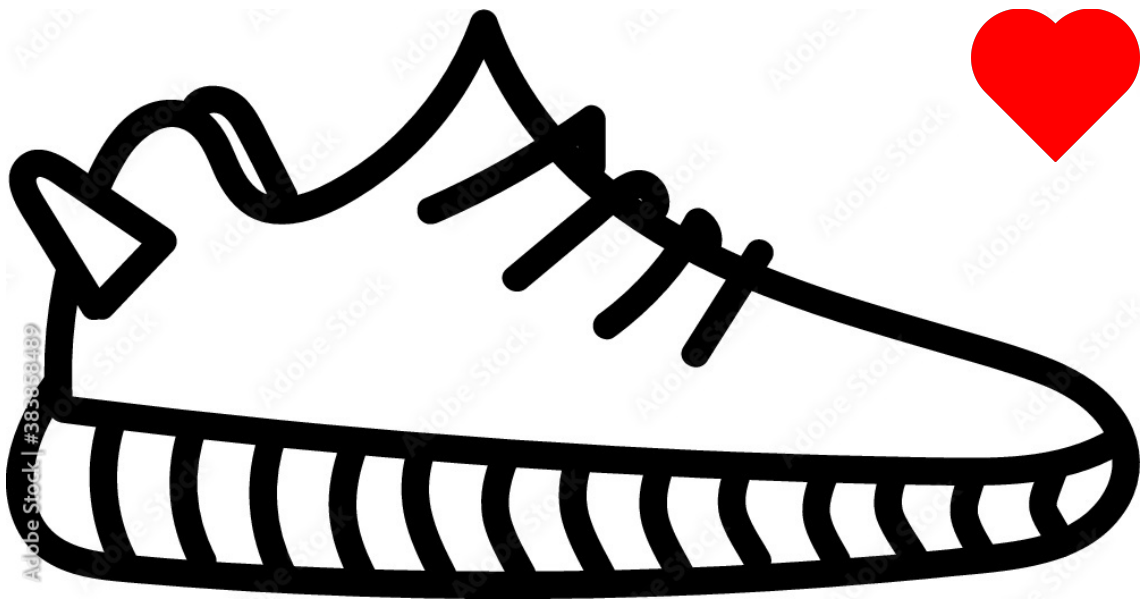
Reviews:

Add a comment...

Username x days ago
"INSERT TEXT HERE"

Username x days ago
"INSERT TEXT HERE"

Username x days ago
"INSERT TEXT HERE"



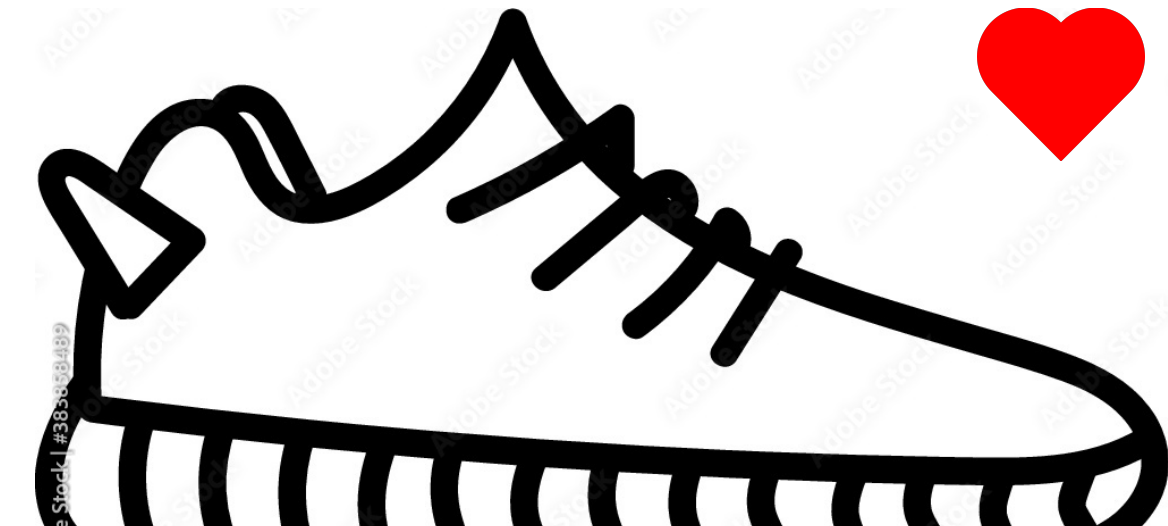
MODEL 1

My Review: "INSERT
TEXT HERE"



MODEL 2

My Review: "INSERT
TEXT HERE"



My Review: "INSERT
TEXT HERE"



Username

Would you like to sign
out of your account?

Sign-Out Cancel



Item 3

Item 4

Username x days ago
"INSERT TEXT HERE"

Username x days ago
"INSERT TEXT HERE"



All Yeezy shoe models in your hands
Explore the archive and legacy of YZY

View Database

×

Create new account
or sign in to an existing
account

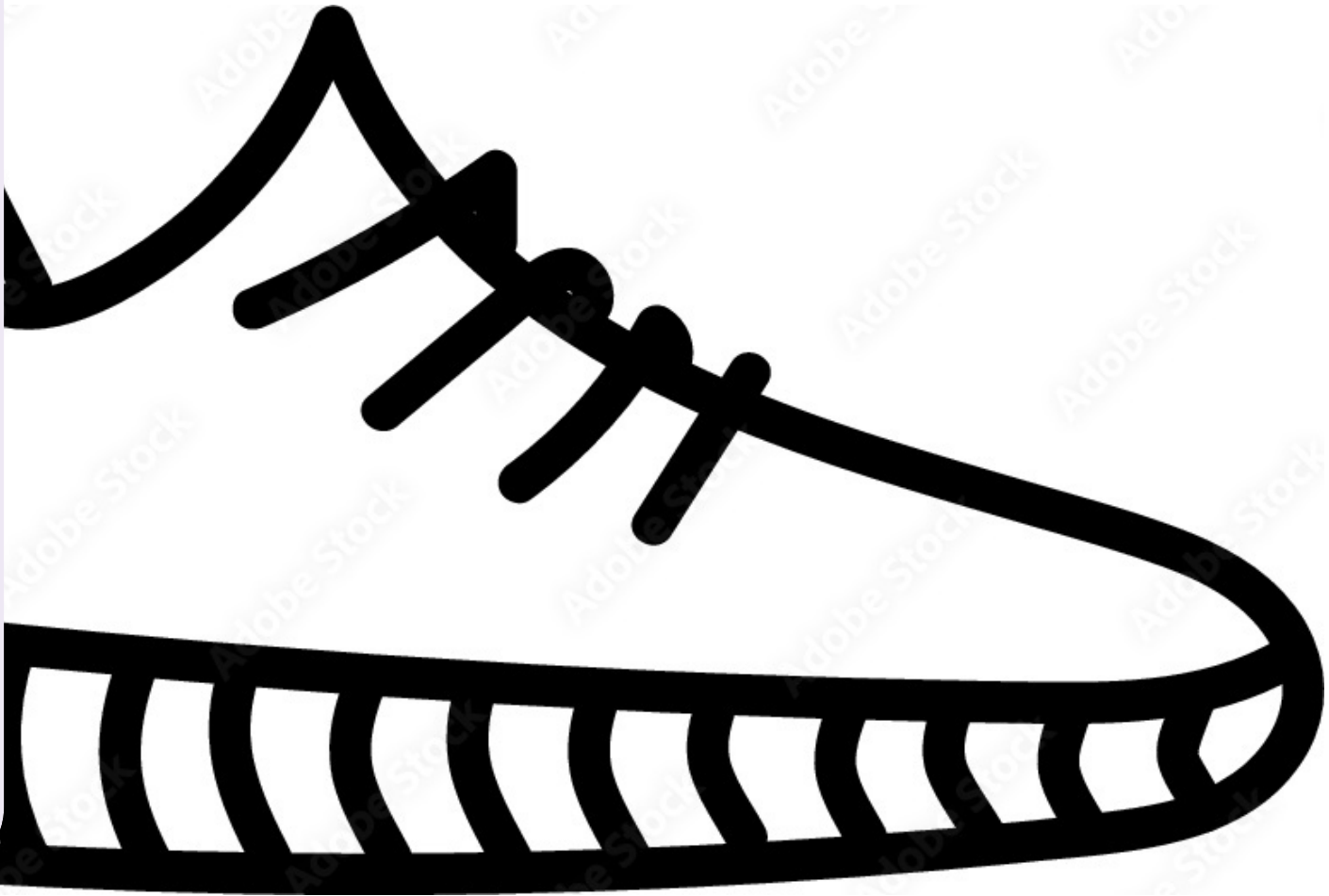
Email Address

Password

Show Password ☒

Sign-Up

Log-In



Yeezy of the Day:
Model 1

Project: Yeezy DB

Yeezy DB (database) provides the information on all Yeezy shoe models in an easy and accessible manner; this includes initial release dates, different colorways, and prices. There will also include the main links to purchase, and rate/favourite specific models and/or colorways. This project aims to target sneakerheads, Kanye West fans, and fashion enthusiasts.

Inspiration from:

For general neutral, minimalist aesthetic: <https://www.yeezysupply.com/>

For viewing information about a specific shoe: <https://stockx.com/>

For like ratio and comments: <https://www.youtube.com/>

The 3 interactive processes in the site:

- a. Divergent / convergent exploration: Users will be able to explore shoe models and colorways.
- b. Absorb information: Users can view a close-up of a shoe with zoom-in, and read various details associated with their selected model, such as retail price and sizing.
- c. Communicate: users can exchange in connection with their opinion on different Yeezy shoes and recommend sizing.

Image sources:

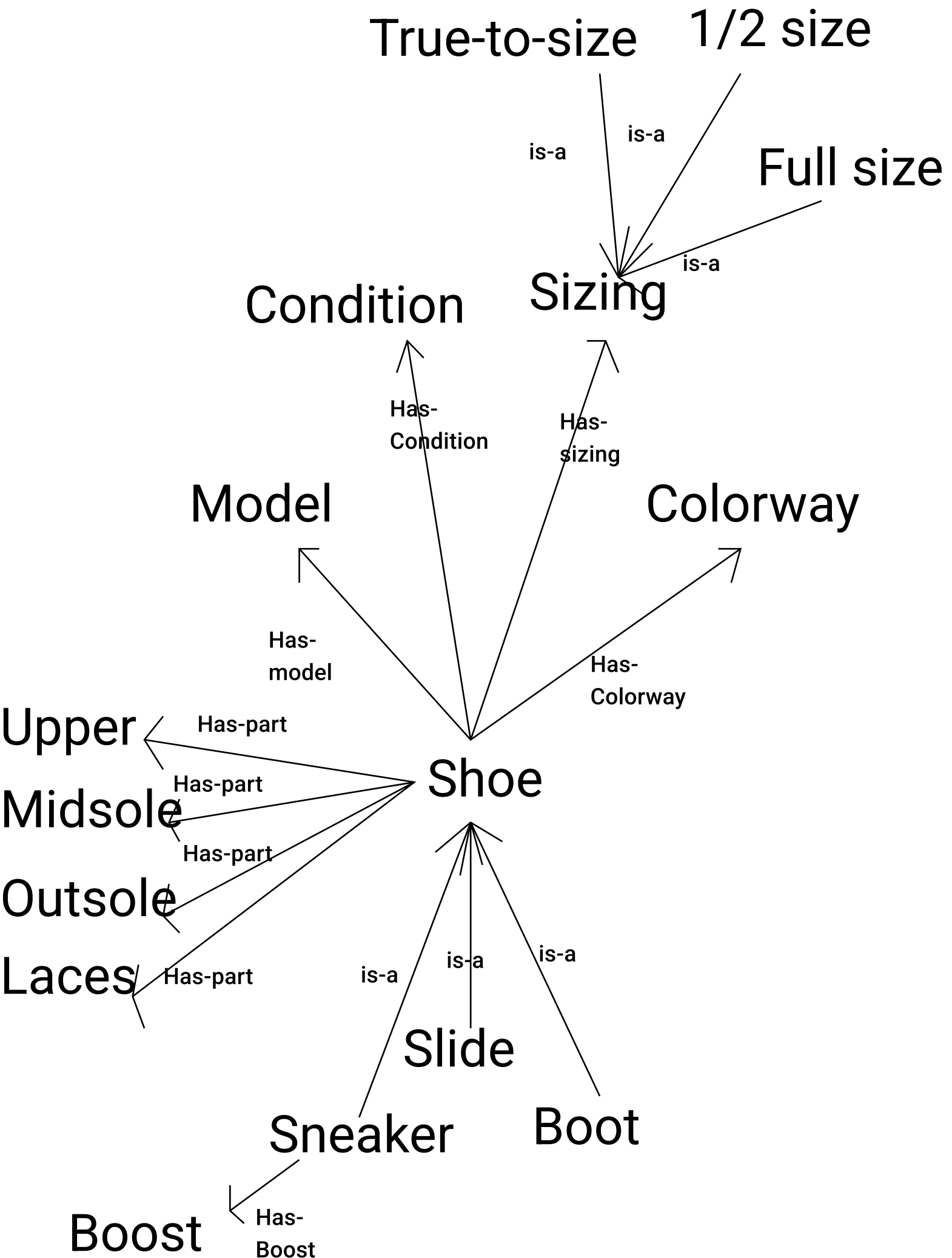
https://stock.adobe.com/ca/images/shoe-sneaker-yeezy-outline/383858489?as_campaign=ftmigration2&as_channel=dpcft&as_campclass=brand&as_source=ftweb&as_camptype=acquisition&as_audience=users&as_content=closure_asset-detail-page

https://en.m.wikipedia.org/wiki/File:Love_Heart_symbol.svg

https://commons.wikimedia.org/wiki/File:Broken_heart.svg

Storyboard Navigation:

1. Homepage on initial visit or by clicking YEEZY DB logo.
2. View database by either clicking “View Database” on the homepage (1) or “Browse Models” on the navbar.
3. View shoe by clicking on a model from the database (2), clicking Yeezy of the Day on the homepage (1), or clicking a model already reviewed (4).
4. View ratings by clicking My Ratings on the navbar AFTER signing in (6). Also, by clicking user icon shows option to sign out after signing in.
5. View close image of shoe by clicking shoe image from the model profile (3) with the magnifying glass.
6. Sign-in dialog that opens when either clicking user icon while not signed in, clicking My Ratings when not signed in or trying to leave a comment when not signed in.



Two Personas/Goals:

Persona 1:

"Aubrey Graham is a 35 year old male with a passion for sneakers. He is decent with technology and loves buying new shoes. Aubrey wants to post a review without having to create an account since in his opinion it would take too much time and isn't worth it. I would suggest adding a checkbox that says 'Post as anonymous' and this would allow the user to post a review / comment without having to create an account. This goal is related to the 'Communicate' Interactive process."

Persona 2:

"Trish: Extremely detail oriented, invested in finding only the best quality of everything, very sociable. She always loves asking people for recommendations, and makes a spreadsheet that calculates points for all product options so that she can objectively choose the best. Because you are already prepared to make users, it would be interesting to add an analytics page instead of just having the likes and dislikes. This would be an Analyze Results interactive process that shows a timeline of people who liked it and disliked it in different months, as well as countries (though the latter is more difficult to satisfy)."

Second Iteration:

Link to UI:

<https://yeezy-db-step3.netlify.app/>

Link to React-Bootstrap code:

https://github.com/thulamt/YeezyDB_Bootstrap

Summary of UI Elements Changed

- Added actual backend and input validation for all sections with text inputs for functionality and error prevention through alerts (character limits and requirements, etc.).
- Added error text and 404 pages when reaching unreachable pages or data isn't fetched.
- Clear fields when change directory for better control.
- Added mapping of database items through templates such as comments and the model list instead of hardcoding pages for simplicity.
- Added FAQ section for help and clarification.
- Added another homepage link in the nav for simplicity in case the logo is not clear enough.
- Added English/French toggle in the homepage for internationalization.
- Changed Yeezy of the Day to Yeezy Highlight which randomizes whenever the page changes/refreshes for simplicity.
- Changed layouts of sign in pop up and added show password option to toggle visibility for more control.

-Log-in and sign-out which don't follow the same sentence style (either log in/log out or sign in/sign out) for consistent language.

-Added headers to pages for further clarification.

-Changed layouts of view ratings in model profiles and added like to dislike ratio.

-Added borders to comments for visibility and removed dates for efficiency.

-Reduced the size of ratings in My Ratings to make better use of space and better design.

Code for final version:

Link to UI:

<https://yeezy-db.netlify.app/>

Link to React-Bootstrap code:

<https://github.com/thulamt/yeezydb>

JSON Server:

<https://warm-nimble-warrior.glitch.me/>

Interactive Processes:

Disclaimer: If anything fails to fetch, only run either step 3 or step 5 sites exclusively. Otherwise, if step 5 components are loading, wait for them to fetch the information.

Interactive Process 1:

Divergent / convergent exploration: Users will be able to explore shoe models.

Steps: Starting on the homepage, click on either Browse Shoes on the navbar or View Yeezy Models on the homepage. Click any of the available Yeezy shoes. You can also click on the Yeezy Spotlight shoe to go directly to that specific model profile.

Interactive Process 2:

Absorb information: Users can view a close-up of a shoe with zoom-in, and read various details associated with their selected model, such as retail price and sizing.

Steps: Follow the steps listed in Interactive Process 1. To zoom in on shoe, click the image to view a zoomed in image, close or click out to finish.

Interactive Process 3:

Communicate: Users can exchange in connection with their opinion on different Yeezy shoes and/or recommend sizing.

Steps: To post a review under your name and view later: Click the person icon in the navbar and follow the steps to sign in or create an account. Admin email is **admin@yeezydb.com** and password is **admin123**. Follow the steps listed in Interactive Process 1 to view a Yeezy shoe. Then go to the comments and type a review in the text field; text is required, but clicking like or dislike is optional. Then you are redirected after posting (Models page if not logged in, My Ratings if you are signed in).

Interactive Process 4 (Persona 1):

Communicate: I would suggest adding a checkbox that says "Post as anonymous" and this would allow the user to post a review / comment without having to create an account. This goal is related to the

Interactive process.”

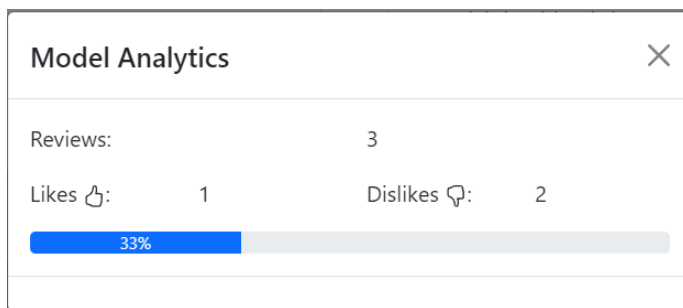
Steps: Follow the steps listed in Interactive Process 3, except check the Post Anonymously checkbox. You have the option to post anonymously if you are signed in, but checking it is required to post a review without signing in (only thing is you cannot view this review in View Ratings).

Interactive Process 5 (Persona 2):

Analyze results: Users can view the number of ratings a shoe model has received and visualizes the like to dislike ratio.

Steps: Follow the steps listed in Interactive Process 1. Then click View Ratings under the image, and close whenever finished.

Note: This is a bit simpler than what persona 2 proposed due to difficulties of implementation. Still, this still qualifies as an interactive process through analyzing results while still having potential to be updated with more features.



Heuristic Evaluation:

Heuristic 1 – Consistency

The style and appearance are very consistent with a clean look. Effective use of colors with the primary colour choice of blue being constant amongst buttons and icons. Implemented French and English on the homepage.

Heuristic 2 - Familiar Language and Metaphors:

Consistent sentence style used for consistent language; for example, sign-in and sign-out follow the same sentence style. Consistent use of thumbs up and down throughout all components relating to ratings.

Heuristic 3 - Simple, Aesthetic, Functional Design:

Added another homepage link in the nav for simplicity in case the logo is not clear enough. Changed Yeezy of the Day to Yeezy Highlight which randomizes whenever the page changes/refreshes for simplicity. Homepage works identical with French and English. Reduced the size of ratings in My Ratings to make better use of space and better design. Added actual backend and input validation for all sections with text inputs for functionality. Added borders to comments for visibility and removed dates for simplicity. Added mapping of database items through templates such as comments and the model list instead of hardcoding pages for efficiency.

Heuristic 4 - Freedom and Control

Clear fields when change directory for better control. Added English/French toggle in the homepage for internationalization. When changing languages on the homepage and after navigation, the homepage

keeps its option. Changed layouts of sign in pop up and added show password option to toggle visibility for more control. *Disclaimer: refreshing the app will sign out the user due to not saving this information like the language.*

Heuristic 5 - Flexibility and Efficiency of Use:

Simple entry points, for example, through the browse shoes components and the Yeezy Spotlight component. Efficient in browsing and signing in.

Heuristic 6 - Recognition over Recall

Simple design with about 5 main page types and is well grouped and organized. Everything is in the form of menus, except for text fields for accounts and ratings.

Heuristic 7 - Clear Status:

When loading components, will show errors or pending status until fully loaded. Added short unique headers to pages for further clarification. Sign in confirmation pop ups after successful sign in. Sign out clarifies redirect to homepage. Submitting review when signed in redirects user to all their ratings.

Heuristic 8 - Error Prevention

Used error prevention through constraint requirements and alerts when inputting text, such as user authentication, character limits and format requirements, etc.

Heuristic 9 - Error Recovery:

Added error text and 404 pages when reaching unreachable pages or data isn't fetched. Homepage and other pages are reachable when page not found. Alerts show specific error message whenever invalid data is submitted and allows user to try again.

Heuristic 10 - Help:

Added FAQ section for help and clarification. FAQ is easily accessible in navbar. Contact information for technical difficulties in FAQ.