

PC-Verse

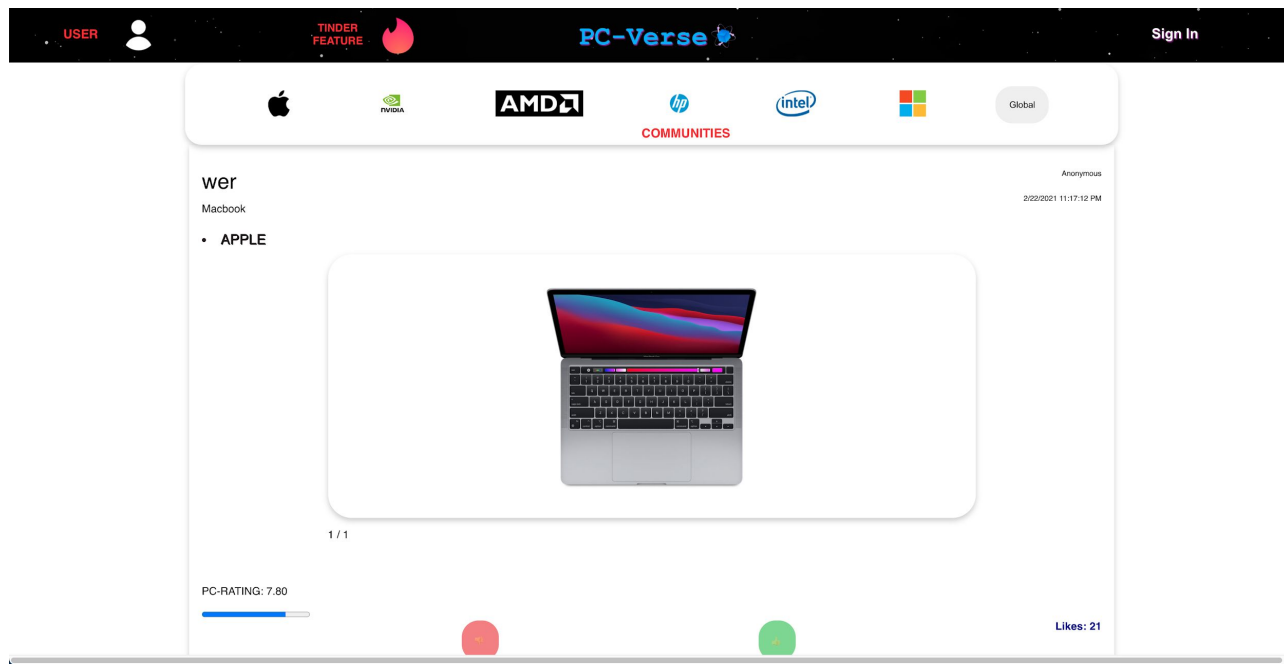
<https://pc-verse.web.app/>

A website for sharing your PC builds.

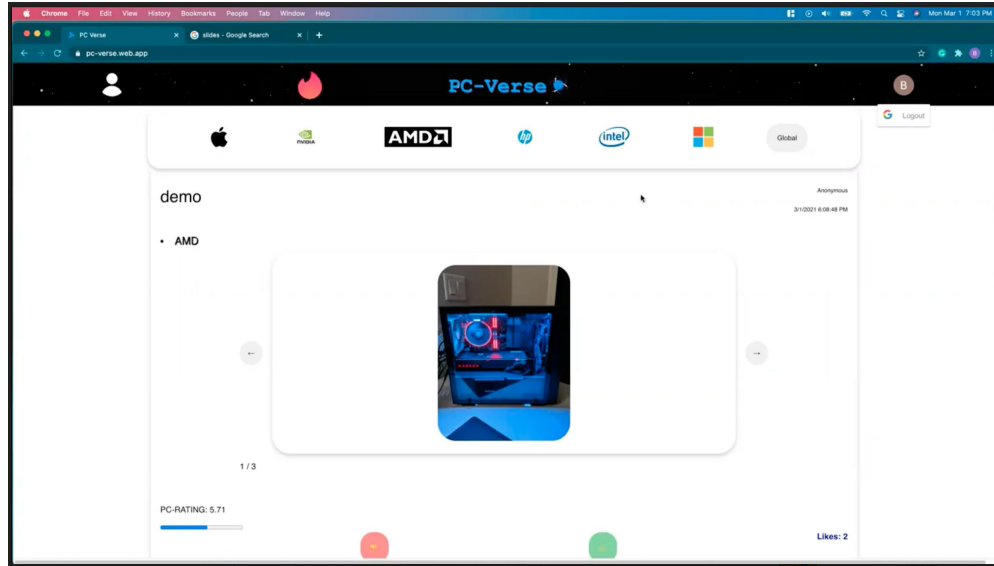
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Overview

- Provides a unique way of sharing PC builds among tech enthusiasts
 - Combination of reddit and tinder features
 - Interactive components for sharing and interacting with other users' posts



Features and Demo



<https://drive.google.com/file/d/1KZ7JO00Ax2xRREVs8ULWMbq5j5teMfW8/view?usp=sharing>

Project/Component Structure

App.js- consists of all the main components.

- Navigation bar [NavBar.js] Allows for toggling between the following components:
 - Global Posts [GlobalPosts.js]
 - Post.js (main component that holds info for Posts)
 - PicturesList.js (display pictures posted)
 - Discussion.js
 - Post.js/Comment.js/AddComment.js
 - User-Page [userPosts.js]
 - AddPost.js, PostPicture.js, SelectCommunity.js, Post.js
 - Tinder Swiping
 - Swipe.Js
 - SwipeCard.js (utilizes react-tinder-card)
 - Google OAuth
 - Login.js/Logout.js



Database Setup

- Realtime Database from Firebase
- Comprised of two sections
- Global Posts
 - stores global and public related data
- User Posts
 - stores data specific to each user



pc-verse-default-rtdb

globalPosts

-MUCjefiNhIlV0_Wpwy1

-MUCjwHC4jsl1oObt1Wa

comments

community: "Apple"

content: "Macbook"

dateDay: "2/22/2021"

dateTime: "11:17:12 PM"

imageList

0

data_url: "data:image/jpeg;base64,/9j/2wBDAAYEBQYFBAYGBQYH..."

isGlobalPost: true

name: "Anonymous"

numLikes: 21

numSwipeRights: 137

numViews: 175

profileObj

email: "username@ucsb.edu"

familyName: "Anonymous"

givenName: "Anonymous"

googleId: -1

imageUrl: ""

name: "Anonymous"

title: "wer"

-MUCjygMEX0fN6BBurF

-MUkeMpCRSovzDjw1NJ0

comments

-MUKg1GTbTBfd4HKluND

content: "Looks really cool!"

dateDay: "3/1/2021"

dateTime: "6:06:53 PM"

numLikes: 0

profileObj

-MUKg4HGvmd7yQM0BzQq

numSwipeRights and
numViews is used to
determine the PC-rating

Global Posts

- is made up of all the posts
- each with their own unique key

Post

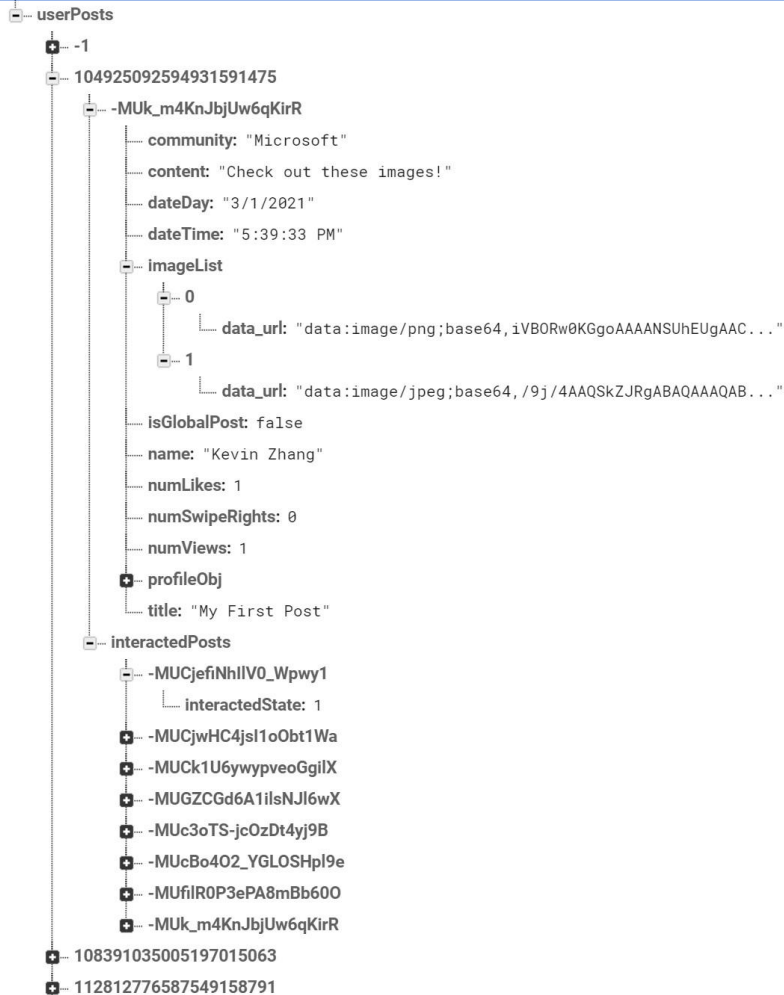
- each post has its post data like content, titles, images, likes, num swipeRights, and etc.
- has a list of all the comments on it
- stores a Profile Object

Comment

- stores comment content, time stamp, poster info and etc.

Profile Object

- stores googleId and other info about the poster



User Posts

- comprised of a list of google Ids
 - within each google Id is all the posts by that user
 - these posts have the same key as the corresponding post in Global Posts
 - within each google id is also a directory of Interacted Posts

Interacted Posts

- stores a list of the state of all the interacted posts of that user
- the key used is the same as the post's key
 - 1 : neutral (no dislike or like)
 - 0 : disliked
 - 1 : liked

Helpful Libraries Used

- React-tinder-card
 - Used for making our swiping feature similar to tinder
- React-lazyload
 - Prevent all of the global and user data from being rendered all at once
- React-images-uploading
 - for users to upload images
- Google-Oauth
 - Used for logging in/out



Styling

- Used media query to change font size at different window widths
- keyframes to add in animations
 - also used alongside setTimeout in javascript files to create exit and enter animations
- flexbox
 - for spacing and centering items
- grid
 - for positioning items in the navigation bar
- CSS Properties
 - dynamic variables to implement dark mode



Any Questions?

You can check out our website at: pc-verse.web.app