



Benifits of usiing react ...

1. Component-based architecture
2. Virtual DOM for efficient updates
3. Rich ecosystem and community
4. Cross-platform development
5. Strong community support:

[Get Started ...](#)

1. Create the following ui , in react app .
2. First create this ui by writing all the code in the same file called App.js .
3. Then after , break down this ui in 3 components (Button , ReactBenifits ,ReactLogo)
4. Call this components in Root function App.js , so that combinely they could create the full UI .
5. Create two branches to solve this assignment in two ways
6. Branch1 will have code in same file
7. Branch 2 will have code divide in the respective components .
8. Name the branches accordingly .

Each React component/function in responsible for their respective return / UI

Day 3 - (Thursday , 20th April , 2023)

Assignment Topic : Props

1. Create a react component named ' Invitation' .
2. This component will return , invitation Content as follows .
3. Pass all the colored parts as props .
4. Use the proper naming convention for props data to pass .

Subject : **Birthday party Invitation**

To : **jaGdish@gmail.com**

Hi , **jaGdish**

I am having a **birthday party** next Friday at my Home . Would you like to come ? It will be fun . Lots of people from my school are coming . you know some of them - **Ritu , Saurabh , Kartik** .

My house is behind our school , near **Green field Avenue** .

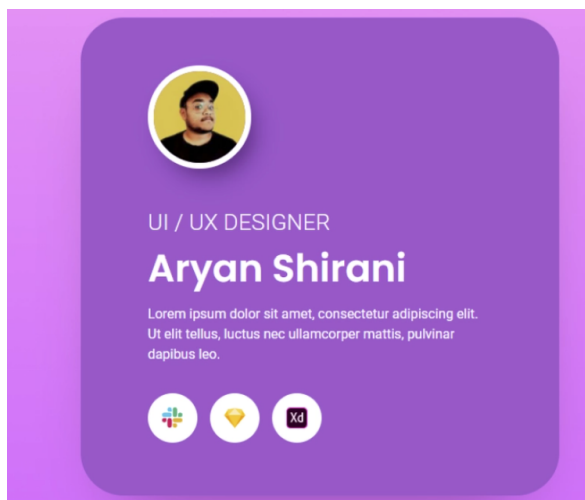
I hope you will come and see you soon .

from ,
JaGdish

24th April 2023

PROFILE CARD MAKER .

1. Create a Component which will returns profile card as follows .
2. This card will have , image , designation , name , job description , see more buttons.
3. Ignore the 3 icons in the card .
4. Call this card 3 times .
5. Each card will have the information of different users .
6. Pass this information as prop to each time we call the card component .
7. On click see more button , it will alert the name of user
8. Ex - if we click the button on the card of user one , with name 'Raju Shrivastava' it will alert this name and so on ...



25th April 2023

Props

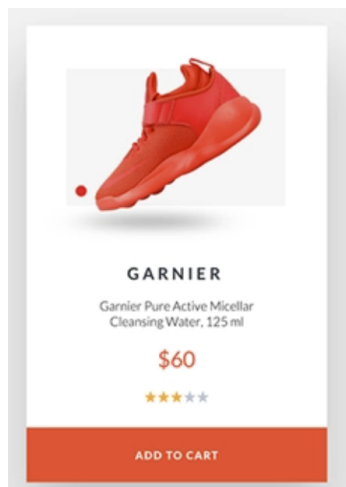
1. Create the product card as follows (Refer to fig 3.1).
2. Call this card 5 time , so each card will represent the respective product details .

```
productDetails = {  
  productId : '1',  
  productPic : "",  
  productName : "",  
  Brand : '  
  productDescription : "",  
  Price : '7$',  
  Rating :  
}
```

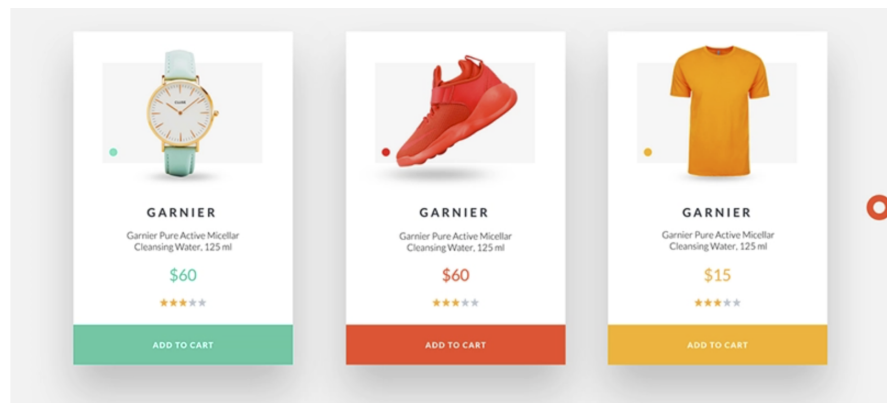
3. Every product detail will have these keys .
4. Ignore the rating stars for now , will show the rating like -> Rating : 4 .
5. onClick add to cart button , it will alert the message like 'Product of is 1 , which is Shoes of brand Adidas has of rupees 4000 is added in the cart , please proceed to pay !!! '
6. There will be 5 card , in each row we will show 3 card only , remaining 2 cards will be in next row on the screen (Refer to fig : 3.2)

Hint : use flex box property for point 6

We are not changing the card color for each card as in fig 3.2 create card of any of this 3 colors .



Pic - 3.1 Card image



pic 3.2 how cards should looks like

25th April 2023

Listing and keys

1. In the above example you will be call card component 3 times like
<Card productDetail = {productOneDetail}/>
<Card productDetail = {productTwoDetail}/>
<Card productDetail = {productThreeDetail}/>

2. Here , create the product details array of objects
3. Each object will contain the details of each product .
4. Try to do this by using a list that is by mapping the projectDetails array .

```
Like [productOneDetail,productTwoDetail,productThreeDetail].map ( productDetail => (  
  <Card productDetail = {productDetail}/>  
))
```

5. Add the proper key..

26th April 2023

useState

Counter app

1. Create the counter app with two buttons
2. One button will increase the count
3. Other button will decrease the count
4. Make sure count should not get decrease below zero

Name updater

1. Create this ui as follows and style it as per your understanding so that it should look Good .
2. We will add name in input and will submit this name .
3. After clicking submit button input name should be filling the **** in the heading text .
4. Every time newly added name will be visible there in heading text at place of ****
5. Also, try to clear the value in input one user clicked submit button .

Submit

Hi may name is : ****

27th April 2023

- 3) Create a guess lucky number game .
Follow the ui .

Guess lucky number ...	Match Number
------------------------	--------------

If the number is less than the lucky number , alert -/> you guessed a smaller number .
If the number is bigger than the lucky number , alert -/> you guessed a bigger number .
If guessed right -/> show message 'congratulations you guessed the right number in
<count> attempts '

1st May 2023

useRef

1. Create 1 button 'picke the file' , on clicking which , it should open the file picker
2. For this use one input of type file .
3. Create the reference of that input using useRef .
4. And use that reference stored in useRef to click in the input of type file .

useEffect

1. Show the image in ui and button to change the image
2. On every click of button , image should get change
3. Use useRef to perform this

2nd May 2023

Topic : fetch and async await

Api to use -/> <https://dog.ceo/api/breeds/image/random>

1. We have already seen this apis , which every time fetches on dog image
2. Write the code snippet . such that on every page refresh new dog image show get render .
3. We will not use any button here . as we didi in class.

4. In class we have seen on every click of button we were changing the image .
5. But here have to do same thing , but on every refresh

#HINT : use useEffect() hook

Api to use -> <https://reqres.in/api/users/>

1. This api give array of object
2. Each object contains the userDetails
3. Each object will look like this :

```
{
  "id": 1,
  "email": "george.bluth@reqres.in",
  "first_name": "George",
  "last_name": "Bluth",
  "avatar": "https://reqres.in/img/faces/1-image.jpg"
}
```

4. Create on user card , user proper css to design that card .
5. That card will have all the details present in the object .
6. Make one button 'get users' , on click this button get the data
7. Show each userDetails in the user card .
8. If array contains 6 users objects
9. Will show 6 cards , and each card will be showing the details of the respective user .

3rd May 2023

Generate Otp 👍

Api : "<https://cdn-api.co-vin.in/api/v2/auth/public/generateOTP>"

1. This is post api
2. On successful completion of this api , it sends otp to the respective number .
3. It sends otp once in 2 min .
4. Explore how to call post api with the fetch method and implement this api to send otp to respective mobile number .
5. You have to send mobile in body at key "mobile"
6. body = {mobile : 123456789}
7. Mobile will not be in string.
8. Check all the validation before sending the otp .
9. Only 10 digit valid indian numbers are accepted .
10. Use this ui and add css as you find goods.
11. On successful otp send clear the input .
12. On failure show the respective error message on screen.

4th may 2023

Create ui following .

UI will have two parts left part will have div

The right part will have a button (Change Pic) .

on clicking the change pic button , the image should change .

Image	<input type="button" value="Change Pic"/>
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8th May 2023

Media QUERY (CSS PART 1)

1. Create responsive header and hero section for desktop and mobile view
2. Use the proper media query and module.css file .

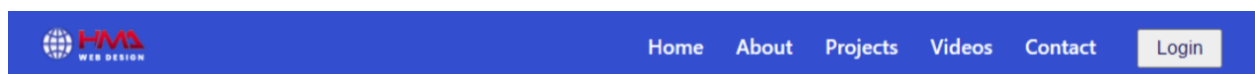


FIG : desktop view of header .



FIG : mobile view of header .

3. On clicking the menu icon open the drawer .

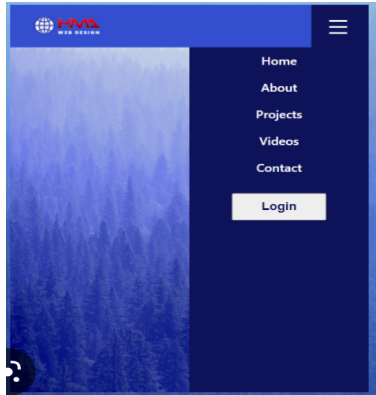


FIG : on click menu button

4. Add the hero section containing image at on side and some text and button on other side .

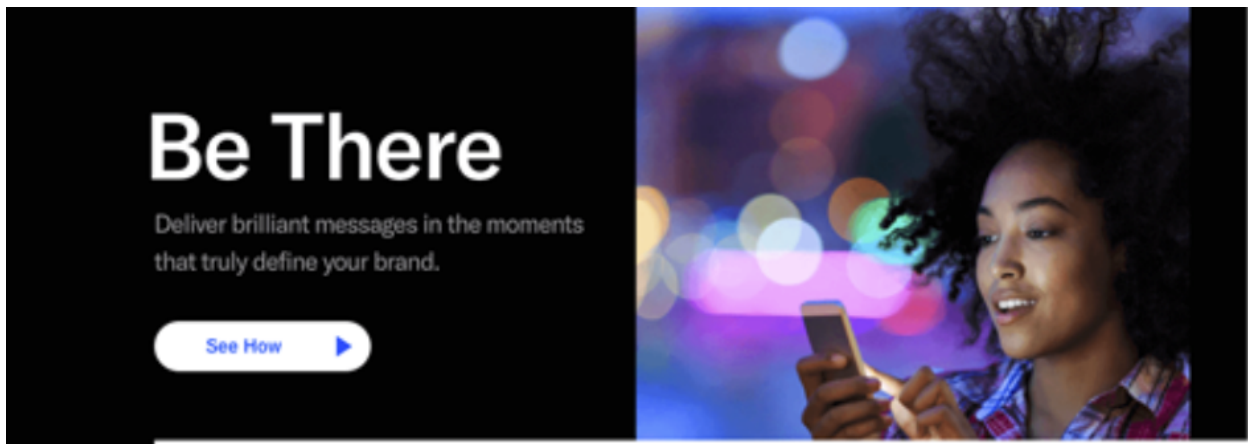


FIG : hero section

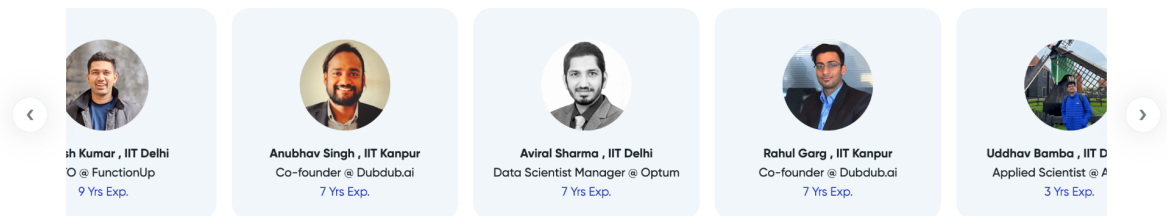
5. In mobile view show this image at top and left data section at bottom of the image

10 th may 2023
Css part 2

Scrollbar

Know your mentors

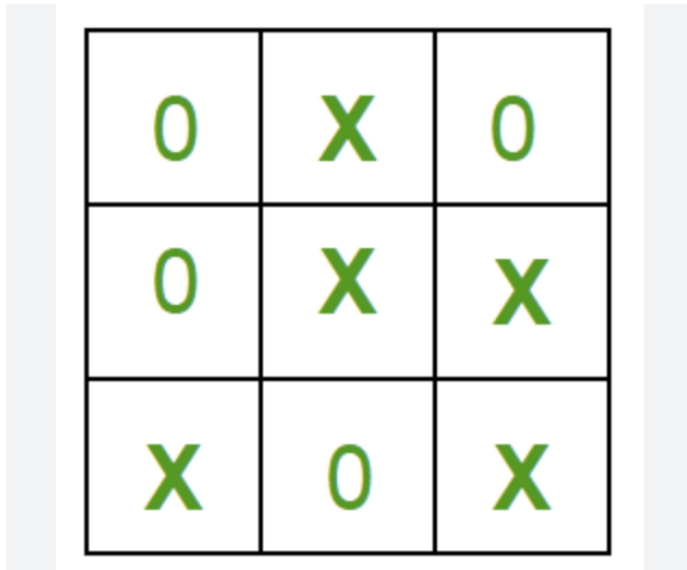
Work with a mentor (senior data scientists from top companies) who closely looks at your progress, gives you personalized feedback and helps you fill gaps in your knowledge.



1. Create profile card in atom
2. Use this card to create this scroll bar
3. Make scroll bar component in molecule
4. Use module css file

11th may 2023

Create tic-tac-toe- game



There will be two player .

If any winner is won show the winner name on screen and start button to start it again

player A is winner

Start Again

12 th may 2023

Todo list

<https://images.ctfassets.net/1es3ne0caaid/1Ov4hm0NpScYMOUEe6GuMi/511e4c176d9ba7d6b09458288f2714db/react-hooks-todo-demo-1.gif>

Create the same ui and functionality as shown in gif .

if assignment is not done using atomic folder structure will not be accepted

16th may 2023

Routing

Add routing paths

1. Continue the task given on 8th may 2023 , add on click action in navbar .
2. Add login , register , home and aboutUs options in navbar on click that option redirect to respective page .

Add delete user functionality

1. Create this ui

rajann

Delete

Ankit

Delete

Rahul

Delete

On click Delete this , the respective user should get deleted .

add new user

From this input we should be able to add new user

On adding name and entering the ENTER button will add this user to existing list .

If fails to achieve above point u can use submit button .

17 th may 2023

QUIZ APPLICATION

1. Create the quiz app .

Question (1)

Today is Monday. After 63 days, it will be

☐ Tuesday

☐ Monday

☐ Thursday

☐ Sunday

Next

1. Create the test of 10 questions
2. Each question has 4 option
3. Save the selected option ..
4. On click next we will show the next question .
5. When there is a 10th question button text will change from 'next' -/> 'Submit' .
6. On submitting last question we will , we will display the result
7. Each question will have 2 marks and passing marks will be 12 out of 20 .
8. On passing the test show greeting .
9. On failing the test show button to restart the test .

```
Const questionsData = [  
  {  
    Question : "",  
    Options : [1,2,3,4],  
    Correct answer : ""  
  }  
]
```

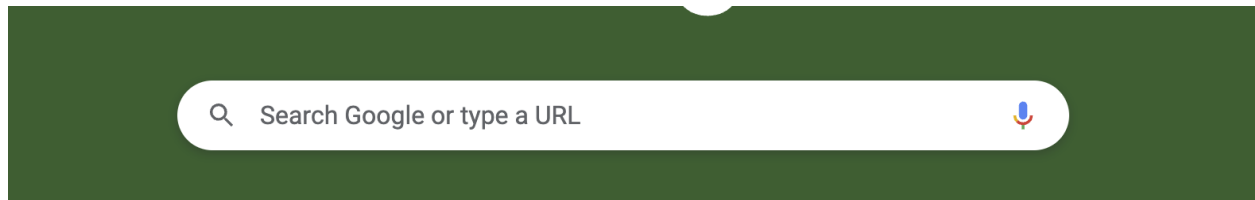
Keep data format as above

Also add the timer of 10 minutes for test

If time is finished, submit the test automatically with all the answered questions .

Monday may 22 2023

Auto complete search bar



1. Use this google search bar ui
2. Create auto matching search
3. Get data from open api
4. <http://cdn-api.co-vin.in/api/v2/admin/location/states>
5. Use this api it gives the list of 36 states .