



# Projects & Algos

## Solo Project

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APP Closet

# Topics to Cover

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- Overview of the app. What is the intention to build and possible uses?
- Functionality of the App. What's under the hood? And why's it there?
- Challenges. What was difficult?
  - Challenges overcome...
  - Challenges still being worked...
- Complete Wins. What went right?
  - Expected Wins
  - Unexpected Wins
- CRUD review
- Summary



# Overview of the App

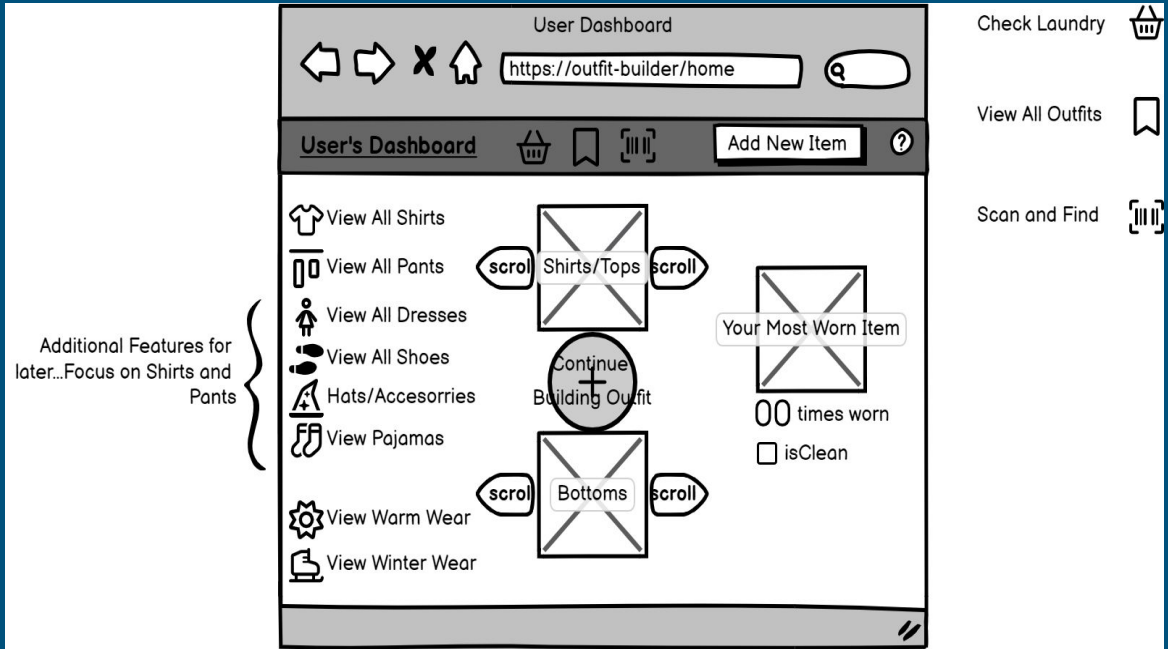
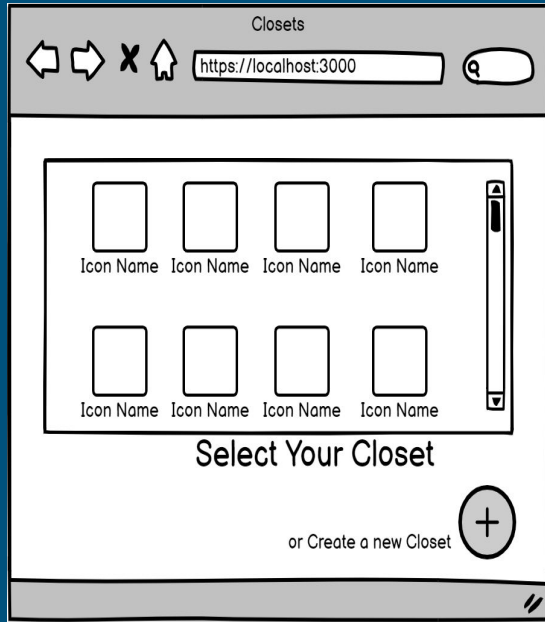
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Title: Closet App

Goal of the Project: The goal is to help with the organization of one's wardrobe, which will be extremely helpful in my household of three daughters! They take way too much time in my opinion deciding what to wear and when to wear it, the hope for this app is that it allows us to save time and make outfit planning more efficient

Stack & gitHub Link → MERN → <https://github.com/Remontz/Closet>

# Wireframe(s)



# Functions within the app

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List of functional components:

- ClosetDashboard - The closet Dashboard is a home page of sorts, displaying items within the closet and links to all other components of the App. It has the following features/functions:
  - Display All Shirts & Display All Pants
  - Closet Item(image) Scrolling
- CreateCloset - This components allows a user to create a new closet.
- DisplayAllClosets - A splash page that allows for selecting the closet you'd like to view or edit
- DisplayLaundry - The laundry page isn't CRUD credible; however it is vital to keeping the wardrobe organized and tracked. "No more searching for clothes that are in laundry, instead of preparing for the school day."
  - Real time update of isWorn property of closet items with check bod
- EditCloset - This page has presented the vast majority of challenges. Attempting to edit the closet objects shirts and pants has proven to be quite the personal adventure into additional learning and head scratching.

# Challenges

## Challenges Overcome ++

```
const handleNextShirt = (idFromBelow) => {  
  axios.get(`http://localhost:8000/api/closet/${idFromBelow}`)  
    .then((response) => {  
      if (scrolls.current !== shirts.length - 1) {  
        scrolls.current = scrolls.current + 1  
        currentShirt.current = shirts[scrolls.current].imageUrl  
        setShirtCurrent(currentShirt.current)  
      }  
    })  
    .catch((err) => {  
      console.log('error scrolling', err.response)  
      setErrors(err.response)  
      console.log(errors)  
    })  
}  
  
const handleNextPant = (idFromBelow) => { ...  
}  
  
const handlePreviousShirt = (idFromBelow) => { ...  
}  
  
const handlePreviousPant = (idFromBelow) => {  
  axios.get(`http://localhost:8000/api/closet/${idFromBelow}`)  
    .then((response) => {  
      if (scrollsP.current > 0) {  
        scrollsP.current = scrollsP.current - 1  
        currentPant.current = pants[scrollsP.current].imageUrl  
        setPantCurrent(currentPant.current)  
      }  
    })  
    .catch((err) => {  
      console.log('error scrolling', err.response)  
      setErrors(err.response)  
      console.log(errors)  
    })  
}
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## Challenges Overcome ++

- ★ Updating Laundry live within the DisplayLaundry.js component

```
div className='dirtyShirts'>  
  {shirts.map((shirt, index) => {  
    if (shirt.isWorn) {  
      return (  
        <div key={index}>  
          <img src={shirt.imageUrl} alt='' id='dirtyShirts' />  
          <p>ShirtType: {shirt.shirtType} Shirt Size: {shirt.size}</p>  
          <form className='editShirt'>  
            <div>  
              <label>  
                <input  
                  type='checkbox'  
                  value={shirt.isWorn}  
                  onChange={(e) => { submitHandler(e, index, 's') }}  
                />  
                Shirts been Washed?  
              </label>  
            </div>  
          </form>  
        </div>  
      )  
    }  
    else { return (null) }  
  })}  
</div>
```

# Challenges

## Solutions still to come - -

- ★ Updating Items within Closet, EditCloset.js
  - Items that are input in the AddShirt form field are only temporary. Plan of Action to solve: Requires more study on use of `useRef()` in order to accomplish this task.

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528      .../* Change: appending newShirts (obj) then pushing into shir-
529      </div>
530      </form>
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```

Larger Image on the Following Slide (8)

## Solutions Still to Come - -

- ★ Updating Laundry live within the DisplayLaundry.js component

```
File Edit Selection View Go Run Terminal Help
DisplayLaundry.js (bck058b) -> DisplayLaundry.js (bck058b) -> Closet - Visual Studio Code

C:\Users> glbe > LearningCode > CodingDojo > Projects_Algorithms > Closet > client > src > components > DisplayLaundry.js
1  .get('http://localhost:8080/api/closet/${id}')
2  .then((response) => {
3    .setCloset(response.data)
4    console.log(response)
5    .setUser(response.data.user[0])
6    .setName(response.data.user[0].name)
7    .setClosetName(response.data.closetName)
8    .setShirts(response.data.shirts)
9    .setPants(response.data.pants)
10   })
11   .catch((err) => {
12     .setErrors(err.response)
13   })
14   .then(() => {
15     const selectedItem = (e, index) => {
16       .preventDefault()
17       .shirts[index].isKnown = !shirts[index].isKnown
18       .pants[index].isKnown = !pants[index].isKnown
19     }
20     .axios
21     .put('http://localhost:8080/api/closet/${id}', {
22       shirts: shirts,
23       pants: pants
24     })
25     .then((response) => {
26       console.log(response)
27       .navigate('/laundry/${id}')
28     })
29     .catch((err) => {
30       console.log(err.response)
31       .setErrors(err.response)
32     })
33   })
34   .return {
35     ...
36   }
37 }
```

Larger Image on Later Slides (9)

# Challenges -- Cont'd.

```
528 .....{/* Change: appending newShirts.Obj then pushing into shirts */}
529 .....</div>
530 .....</form>
531 .....</div>
532 .....</div>
533 .....)
534 .....)}}
535 .....</div>
536 .....<h3>Create a Shirt</h3>
537 .....<button onClick={createShirtForm}>z ? 'Creating' : 'Create a Shirt'</button>
538 .....    You, 4 days ago * Adding Create Shirt to Edit EditCloset
539 .....    z && (
540 .....    <div id='box'>
541 .....    <div className='shirt-details'>
542 .....    <form className='create-shirt-form shirt-details' onSubmit={createShirtForm}>
543 .....    <fieldset className='form-input' id='shirtType'>
544 .....    <legend>Type of Shirt:</legend>
545 .....    <div>
546 .....    <input
547 .....    name='shirtType' id='shirtTypeChoice1'
548 .....    type='radio'
549 .....    value='T-Shirt'
550 .....    onChange={(e) => { shirtType.current = 'T-Shirt' }}
551 .....    />
552 .....    <label for='shirtTypeChoice1'>T-Shirt</label>
553 .....    </div>
```

The Attempt was to produce a functioning 'Create A Shirt' Form

Field after clicking the Create a Shirt button.

The button successfully produced the div upon click(s); however the input of the form is not updating the closet.shirts array properly. Further inspection is required to figure out how and where the data I need is not being accepted as a 'shirt' and not being persisted within the closet.



# Challenges -- Cont'd.

```
JS DisplayLaundry.js (6cb058b) ↔ DisplayLaundry.js (6cf3928) - Closet - Visual Studio Code
C: > Users > gilbe > Learning2Code > CodingDojo > Projects_Algorithms > Dojo_SoloProject > Closet > client > src > components > JS DisplayLaundry.js > DisplayLaundry > useEffect() callback > then() callback

22 .....get('http://localhost:8000/api/closet/${id}')
23 .....then((response) => {
24 .....  setCloset(response.data)
25 .....  console.log(response)
26 .....  setUser(response.data.user[0])
27 .....  setUsername(response.data.user[0].name)
28 .....  setClosetName(response.data.closetName)
29 .....
30 .....  setShirts(response.data.shirts)
31 .....
32 .....  setPants(response.data.pants)
33 .....
34 .....})
35 .....catch((err) => {
36 .....  setErrors(err.response)
37 .....})
38 .....}, [])
39 .....
40 .....const submitHandler = (e, index) => {
41 .....  e.preventDefault()
42 .....  shirts[index].isWorn = !shirts[index].isWorn
43 .....
44 .....  axios
45 .....  .put('http://localhost:8000/api/closet/${id}', {
46 .....    shirts: shirts
47 .....  })
48 .....  .then((response) => {
49 .....    console.log(response)
50 .....    navigate('/laundry/${id}')
51 .....  })
52 .....  .catch((err) => {
53 .....    console.log(err.response)
54 .....  })
55 .....}
56 .....return
57 .....
58 .....

22 .....get('http://localhost:8000/api/closet/${id}')
23 .....then((response) => {
24 .....  setCloset(response.data)
25 .....  console.log(response)
26 .....  setUser(response.data.user[0])
27 .....  setUsername(response.data.user[0].name)
28 .....  setClosetName(response.data.closetName)
29 .....
30 .....  setShirts(response.data.shirts)
31+ .....  console.log('test' + response.data.pants[0])  You, yesterday * Out of
32 .....  setPants(response.data.pants)
33+ .....  console.log('pants:' + pants)
34 .....
35 .....})
36 .....catch((err) => {
37 .....  setErrors(err.response)
38 .....})
39 .....}, [])
40 .....
41+ .....const submitHandler = (e, index, item) => {
42 .....  e.preventDefault()
43+ .....  if (item === 's') { shirts[index].isWorn = !shirts[index].isWorn }
44+ .....  if (item === 'p') { pants[index].isWorn = !pants[index].isWorn }
45+ .....
46 .....  axios
47 .....  .put('http://localhost:8000/api/closet/${id}', {
48+ .....    shirts: shirts,
49+ .....    pants: pants
50 .....  })
51 .....  .then((response) => {
52 .....    console.log(response)
53 .....    navigate('/laundry/${id}')
54 .....  })
55 .....  .catch((err) => {
56 .....    console.log(err.response)
57 .....  })
58 .....}
59 .....return
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**There was a major time-management set back here when trying to implement this functionality. The shirts array within a specific users closet is not persisting the isWorn data provided by the submitHandler function shown in the image. Plan of Action is to review useRef/useState and apply to this components as needed.**

# All-Around Wins

## Expected comfort areas

- Backend (server side)
- Displaying All Closets
- CRUD for Closets

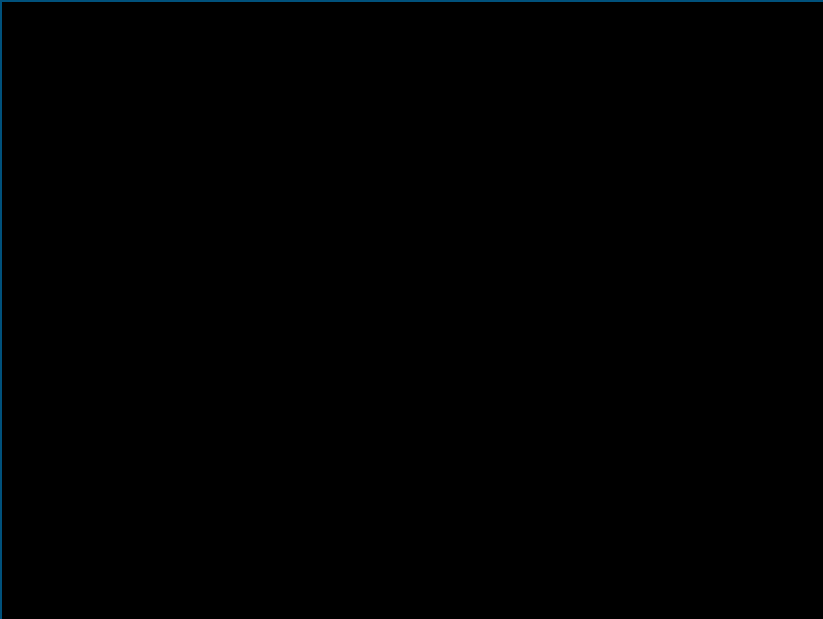
## Unexpected comfort areas

- Unsurprisingly... There weren't any areas that I felt were surprisingly comfortable. I either felt good about the process or it required some studying/spanning StackOverflow for answers.



# Show me some CRUD!!!

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So far the app is able to perform CRU operations upon the closet, however updating individual items, such as shirts, within each closet has proven to need more time investment than has currently been spent.

# SUMMARY

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In summary, the closet App is an app designed to help facilitate and organize a households' wardrobes. Each user is able to create and maintain their own closets, and even view others closets within the household, without the ability to edit or delete unless they are the user associated with said closet.

The facet of building this Closet that has been the most challenging so far has been in the use of `UseRef` and/or `useState` within components in order to update the closet items: shirts or pants.

The piece(s) of the App that I am most proud of are the scrolling effects of the dashboard and the button that hides or shows the create shirt/pant form fields.

# End

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Thank you for viewing!