

Tekulans Webshop

React & Material UI

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The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect. The shapes are layered, with some appearing more prominent than others, and they extend from the right side of the frame towards the center.

Vad vi valt och hur det
implementeras?

Material UI

```
$ npm install @material-ui/core
```

```
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto:300,400,500,700&display=swap" />
```

```
import React from 'react';
import { Button } from '@material-ui/core';

function App() {
  return <Button color="primary">Hello World</Button>;
}
```

Components

Layout

- Box
- Container
- Grid
- Grid List
- Hidden

Inputs

- Button
- Button Group
- Checkbox
- Floating Action Button
- Date / Time
- Radio

Positiva samt negativa aspekter
kring just det designsystemet.

Bra:

Mycket hjälp att få

Mycket gratis styling

Det gick snabbt att få upp grunden

Snyggt

Dåligt:

För stort utbud ibland

Deras sätt eller inte alls

Tvingades till fusklösningar

Hooks för att använda vissa hjälpmedel

Fult

```
//>  
<TextField id="outlined-basic"  
  label="CVC"  
  variant="outlined"  
  name="cvc"  
  autoComplete="cc-csc"  
  placeholder="nnn"  
  value= {this.state.cardCVC}  
  error = {this.state.isCardCVCErrors}  
  helperText= {this.state.cardCVCErrorsText}  
  inputProps={{ maxLength: 3}}  
  style = {{width:'10ch'}}  
  onChange={ (event) => { this.setState({ cardCVC: event.target.value }) }}  
  //onChange = {this.handleChange('kortNr')}  
/>
```

```
let screenSize = useMediaQuery('(min-width:430px)')  
let divSize = {width: '18.5rem'}  
  
if(screenSize === true){  
  divSize = {width: '25rem'}  
}
```

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Kortare genomgång av koden
struktur och flöde.

```
export const itemsLS: Array<Product> = getList()

function getList(){
  let itemList=[]
  if(localStorage.getItem('productList') === null){
    localStorage.setItem('productList', JSON.stringify(items));
  }
  itemList = JSON.parse(localStorage.getItem('productList') || '{}')
  return itemList
}
```

✓ src

> assets

> components

✓ contexts

🌀 cartContext.tsx

```
export interface State{  
  cartList: Array<CartItem>  
  addProduct:(inItemId: number, inNrItems: number) => void  
  removeItemFromCart:(inItemId: number) => void  
  cartTotalPrice: number  
  savedCheckoutCartList: Array<CartItem> //saved cartList f  
  savedCartTotalPrice: number  
  emptyCart: () => void  
}
```


- ✓ src
 - > assets
 - > components
 - ✓ contexts
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```
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  savedCartTotalPrice: number  
  emptyCart: () => void  
}
```

```
export interface CartItem{  
  id: number  
  nrItems: number  
  product: Product  
}
```

```
// Add a product to cartList array, Id and Number of items to add.
// Number of items can be negative -1 to remove a product or positive to add.
addProduct = (inItemId: number, inNrItems: number) => {
  const cartListPosition = this.findItemInCart(inItemId)
  const updatedCartList = [...this.state.cartList]

  if(cartListPosition !== false){ //If item is already in cartList just update the number of items.
    updatedCartList[cartListPosition].nrItems = updatedCartList[cartListPosition].nrItems + inNrItems
    if(updatedCartList[cartListPosition].nrItems < 1){ //If count is zero or less, remove it from list.
      this.removeItemFromCart(inItemId)
    } else {
      this.setState({
        cartList: [...updatedCartList],
        cartTotalPrice: this.calcTotalCartPrice(updatedCartList),
        savedCheckoutCartList: [...updatedCartList],
        savedCartTotalPrice: this.calcTotalCartPrice(updatedCartList),
      })
    }
  } else { //If item is not in list then a new item is pushed to list.
    if(inNrItems > 0){
```

Index

App

Layout

Header

Home...

ProductPage...

Admin...

Checkout...

Footer

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Svårigheter vad vi mött
under projektets gång.

- Material UI - "busigheter"
- Verifikationer
- Exempel utan Typescript
- Corona...

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Och nu en rundtur