MUI Crash Course

# Installation

* Npm install @mui/material @emotion/react @emotion/styled
* Mui Icons are not installed by default
  + npm install @mui/icons-material

# Mui Libraries

* MUI Core
  + Holds all fundamental components
    - Inputs, buttons, grids etc
* MUI X
  + More advanced elements
    - Data grids
    - Charts
* Templates
  + Readymade templates

# Drawer

* A drawer is the actual navbar of an application
* It can be either a temporary drawer controlled by a drawer icon or a permanent drawer
  + It acts as the main container for the navbar

# List

* The drawer will contain a list of items
* The **List** is the actual <ul>

# ListItem

* The **List** will contain multiple **ListItems**
* They will act as <li> elements

# Styling a Mui Reusable component

# The ThemeProvider

We can customize **MULTIPLE THINGS with the THEME PROVIDER**

[**https://mui.com/material-ui/customization/theming/#themeprovider**](https://mui.com/material-ui/customization/theming/#themeprovider)

* + **Colors, Typography, Spacing, breakpoints, components**
* Used to style the components globally
* Used as a Wrapper on the application
* const theme = createTheme({
* components: {
* // Name of the component
* MuiButtonBase: {
* defaultProps: {
* // The props to change the default for.
* disableRipple: true, // No more ripple, on the whole application 💣!
* },
* },
* },
* });
* We can change what ever component we want
* And also the css styles applied to a special type of that component (variant=”outlined”)
* const theme = createTheme({
* components: {
* MuiCard: {
* styleOverrides: {
* root: {
* variants: [
* {
* props: { variant: 'outlined' },
* style: {
* borderWidth: '3px'0