Angular Material MD3 Checklist

TODO

Things to remember when starting a new project with Angular Material MD3

1. Add the material package

```
terminal
> ng add @angular/material
```

✓ Choose **Custom** palette
✓ Make sure you use **SCSS** in your project

TODO

Things to remember when starting a new project with Angular Material MD3

2. Set up your SCSS settings

```
angular.json

"options": {
    "stylePreprocessorOptions": {
        "includePaths": [
            "src/styles"
        ]
    },
```

✓ Under `architect/build/options`

TODO

Things to remember when starting a new project with Angular Material MD3

3. Add your theme mixin

- ✓ Create _theme partial
- ✓ Create a mixin that accepts the theme configuration
- ✓ Call the `mat.theme` mixin
- ✓ Set up your theme
    - ✓ Choose primary, and Tertiary palettes
    - ✓ Choose nrand and plain fonts
- ✓ If needed – use schematics to generate custom palette
- ✓ Add custom theme tokens

```
terminal                                                    ● ● ●

> ng g @angular/material:theme-color
```

TODO

Things to remember when starting a new project with Angular Material MD3

4. Host your fonts

```terminal
> npm i roboto-fontface

> npm i material-icons

> npm i material-symbols
```

✓ Remove the <link> elements to google fonts from 'index.html'
✓ Add to `angular.json` under `architect/build/options` paths to the styles of these fonts

```angular.json
"styles": [
    "src/styles.scss",
    "node_modules/roboto-fontface/css/roboto/roboto-fontface.css",
    "node_modules/material-icons/iconfont/material-icons.css",
    "node_modules/material-symbols/index.scss"
  ],
```

TODO

Things to remember when starting a new project with Angular Material MD3

5. Icons Registery

- ✓ Create an init service that sets up configuration
- ✓ Inject `MatIconRegistry` and `DomSanitizer`
- ✓ Add custom svg icons under the `public` folder
- ✓ Set the default icons class
- ✓ Add font sets aliases as needed
- ✓ In 'app.config' provide http client and app initializer

init.service.ts

```
registerIcons() {
    this.iconRegistey.setDefaultFontSetClass('material-symbols-outlined');
    this.iconRegistey.registerFontClassAlias('icon', 'material-icons');

    this.iconRegistey.addSvgIcon('trophy',
            this.domSanitizer.bypassSecurityTrustResourceUrl('svg/cup-star.svg'));
}
```

app.config.ts

```
provideHttpClient(),
provideAppInitializer(() => {
    inject(InitService).registerIcons();
})
```

TODO

Things to remember when starting a new project with Angular Material MD3

6. Dynamic Theme Selection (Optional)

- ✓ If you want to let the user switch themes
- ✓ Create theme service to hold the selected state
- ✓ Inject the document
- ✓ Add effect that changes the class and style of the body element
- ✓ Add classes and theme configurations to the main scss

TODO

Things to remember when starting a new project with Angular Material MD3

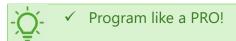## 7. Retain the "Color" attribute on buttons (Optional)

✓ Add global selectors and change theme:

```scss
styles.scss

.primary, [color="primary"] {
  @include mat.theme((
    color: mat.$azure-palette
  ))
}

.tertiary, [color="tertiary"], [color="accent"] {
  @include mat.theme((
    color: mat.$rose-palette
  ))
}

.error, [color="error"], [color="warn"] {
  @include mat.theme((
    color: mat.$red-palette
  ))
}
```

TODO

Things to remember when starting a new project with Angular Material MD3