

# Modern Angular Setup with Material Design - YehWebApp

## Prerequisites

- Node.js 20+ installed
- Angular CLI installed globally: `npm install -g @angular/cli`
- Yarn installed: `npm install -g yarn`

## 1. Setup Angular Material

```
bash  
  
ng add @angular/material
```

Choose these options:

- ☒ Any prebuilt theme (Indigo/Pink recommended)
- ☒ Set up global Angular Material typography styles? **Yes**
- ☒ Include the Angular Animations module? **Yes**

## 2. Project Structure

Copy files to your Angular project:

```
src/  
├── main.ts           (Bootstrap file)  
├── app/  
│   ├── app.ts       (Root component)  
│   ├── app.html      (Root template)  
│   ├── app.scss      (Root styles)  
│   └── macro-nutrients/  
│       ├── macro-nutrients.ts (Component)  
│       ├── macro-nutrients.html (Template)  
│       └── macro-nutrients.scss (Styles)
```

## 3. Key Features

- ✓ **Modern Angular 18/19** - Latest features
- ✓ **Standalone Components** - No NgModules needed
- ✓ **Signals & Computed** - Modern reactive state
- ✓ **Material Design** - Professional UI components

- ✓ **Mobile-First Responsive** - Works on all devices
- ✓ **Clean Filenames** - No `.component.` clutter

## 4. Run Your App

```
bash  
  
ng serve
```

Navigate to `http://localhost:4200`

## 5. Usage Examples

```
html  
  
<!-- Basic usage -->  
<app-macro-nutrients></app-macro-nutrients>  
  
<!-- Custom values -->  
<app-macro-nutrients  
  [protein]="85"  
  [fat]="40"  
  [carbs]="15">  
</app-macro-nutrients>
```

## 6. Mobile Testing

- **Chrome DevTools:** F12 → Device toolbar
- **Responsive breakpoints:** 480px, 768px, 1024px
- **Test on actual devices** for best results

## Troubleshooting

- **Material not working:** Ensure `ng add @angular/material` completed successfully
- **Styles not loading:** Check file paths in component decorators
- **Build errors:** Ensure Angular CLI and project versions match

Perfect for modern Angular development! 🚀