## **✅ 1. Create Angular 16 Project**

bash

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ng new your-app-name --routing --style=scss

cd your-app-name

Use --style=scss for advanced styling flexibility.

## **✅ 2. Install Bootstrap 5.3**

bash

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npm install bootstrap

### **🔗 Add in angular.json**

json

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"styles": [

"node\_modules/bootstrap/dist/css/bootstrap.min.css",

"src/styles.scss"

],

"scripts": [

"node\_modules/bootstrap/dist/js/bootstrap.bundle.min.js"

]

## **✅ 3. Install Font Awesome**

bash

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npm install @fortawesome/fontawesome-free

### **🔗 Add in angular.json**

json

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"styles": [

"node\_modules/@fortawesome/fontawesome-free/css/all.min.css"

]

## **✅ 4. Install Toastr for Notifications**

bash

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npm install ngx-toastr

npm install @angular/animations

### **🔗 In angular.json**

json

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"styles": [

"node\_modules/ngx-toastr/toastr.css"

]

### **🔧 In app.module.ts**

ts

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import { BrowserAnimationsModule } from '@angular/platform-browser/animations';

import { ToastrModule } from 'ngx-toastr';

@NgModule({

imports: [

BrowserAnimationsModule,

ToastrModule.forRoot()

]

})

## **✅ 5. Install Angular Material (Optional but Powerful)**

bash

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ng add @angular/material

Choose a theme, enable animations, and select components during prompt.

## **✅ 6. Install SweetAlert2 (Beautiful Alerts)**

bash

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npm install sweetalert2

npm install @sweetalert2/ngx-sweetalert2

### **🔧 In app.module.ts**

ts

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import { SweetAlert2Module } from '@sweetalert2/ngx-sweetalert2';

@NgModule({

imports: [SweetAlert2Module.forRoot()]

})

## **✅ 7. Install Angular Forms Modules**

Already available by default in Angular projects, but explicitly add:

ts

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import { FormsModule, ReactiveFormsModule } from '@angular/forms';

## **✅ 8. Install HTTP Client Module**

Also part of Angular by default:

ts

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import { HttpClientModule } from '@angular/common/http';

## **✅ 9. Install ngx-spinner (Loading Spinner)**

bash

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npm install ngx-spinner

npm install @angular/animations

### **🔧 In app.module.ts**

ts

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import { NgxSpinnerModule } from 'ngx-spinner';

@NgModule({

imports: [

NgxSpinnerModule

]

})

## **✅ 10. Install Auth Guard (CLI command)**

bash

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ng generate guard auth/auth --skip-tests

## **✅ 11. Install UUID (for generating unique IDs)**

bash

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npm install uuid

npm install --save-dev @types/uuid

## **✅ Optional: Prettier + ESLint for Code Quality**

bash

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npm install prettier eslint eslint-config-prettier eslint-plugin-prettier --save-dev

### **🧠 Summary: Most Common Installs**

| **Purpose** | **Library** | **Command** |
| --- | --- | --- |
| Styling | bootstrap, fontawesome | ✅ |
| Toasts | ngx-toastr | ✅ |
| Alerts | sweetalert2, ngx-sweetalert2 | ✅ |
| Material Design | @angular/material | ✅ |
| Spinners | ngx-spinner | ✅ |
| UUID Generator | uuid | ✅ |
| Forms/HTTP | Built-in Angular modules | ✅ |
| Lint/Format | prettier, eslint | ✅ |

Let me know if you want a ready-made angular.json and app.module.ts setup file with all these in place. I can generate a working starter template too.

Ask ChatGPT