

Love this idea 👍 — a clean README instantly makes your GitHub repo look **professional** and **interview-ready** 🚀

Here's a **ready-to-copy README.md** you can directly use and tweak.

A Angular Forms Practice

Reactive Forms & Template-Driven Forms

This repository contains **practice examples** for both **Template-Driven Forms** and **Reactive Forms** in Angular.

It is designed to help understand form handling, validation, and best practices in Angular applications.

📌 What This Repository Covers

- ✓ Template-Driven Forms
- ✓ Reactive Forms
- ✓ Form Validation
- ✓ Custom Validators
- ✓ Form Submission Handling
- ✓ Clean & Beginner-Friendly Examples

🧩 Types of Angular Forms

1 Template-Driven Forms

Template-Driven Forms are **simple and declarative**.

Most of the form logic is written directly in the HTML template using Angular directives.

Key Features:

- Easy to use
- Less TypeScript code
- Suitable for small and simple forms
- Uses `ngModel`

📁 Folder Example:

```
cpp  
  
template-driven-form/
```

2 Reactive Forms

Reactive Forms are **model-driven** and more scalable.

Form logic and validation are written in the component class using `FormGroup` and `FormControl`.

Key Features:

- Strong validation support
- Better control over form state
- Suitable for complex and dynamic forms
- Easier to unit test

📁 Folder Example:

```
CSS
```

```
reactive-form/
```

🔧 Technologies Used

- Angular
- TypeScript
- HTML5
- CSS3
- Bootstrap (optional for styling)

🔧 Validations Implemented

- ✓ Required fields
- ✓ Minimum & Maximum length
- ✓ Email validation
- ✓ Password & Confirm Password match
- ✓ Custom validators
- ✓ Real-time error messages

▶ How to Run This Project

1 Clone the repository

```
bash
```

```
git clone https://github.com/your-username/angular-forms-practice.git
```

2 Navigate into the project

```
bash
```

```
cd angular-forms-practice
```

3 Install dependencies

```
bash
```

```
npm install
```

4 Run the application

```
bash
```

```
ng serve
```

5 Open in browser

```
arduino
```

```
http://localhost:4200
```

Project Structure (Example)

```
css
```

```
src/
```

```
|—— app/
|   |—— template-driven/
|   |   |—— template-form.component.ts
|   |   |—— template-form.component.html
|   |—— reactive-form/
|   |   |—— reactive-form.component.ts
|   |   |—— reactive-form.component.html
|   |—— app.module.ts
```

Learning Goals

- Understand the difference between Template-Driven and Reactive Forms
- Practice real-world form validation
- Learn Angular form best practices
- Improve confidence for interviews and projects

Future Improvements

- Add Dynamic Form Arrays
- Add Form Reset & PatchValue examples

- Improve UI with Angular Material
- Add Unit Tests

Contribution

Contributions, suggestions, and improvements are always welcome!

Feel free to fork this repository and submit a pull request 😊

License

This project is open-source and available under the **MIT License**.

If you want, I can also:

- ✨ Make this **more beginner-friendly**
- 📁 Rewrite it in **interview-focused style**
- 📖 Add **screenshots section**
- 🧑 Customize it with **your name & GitHub profile**

Just tell me 😊