

# Angular 2: Reactive Forms

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## INTRODUCTION



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# ONLINE REGISTRATION FORM

First Name

Last Name

Gender

Date of Birth

Age

Country

Place of Birth

Zip Code

Phone

email

Current adress

Reason for the application

SELECT YOUR COUNTRY OF ORIGIN

Botswana

Brazil

Britain

Brunei

Bulgaria

Burkina

Burma

Burundi

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# Module Overview



**Angular Forms**

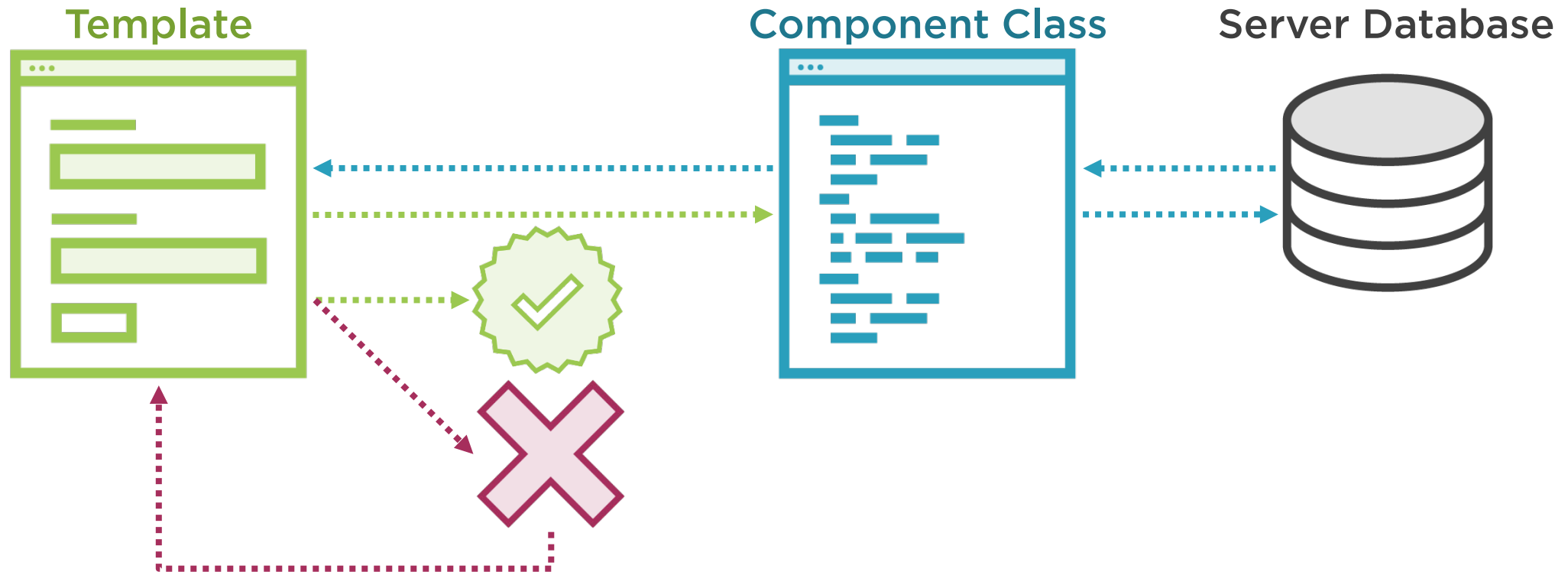
**Getting the Most from This Course**

**Demo Form and Sample Application**

**Course Outline**



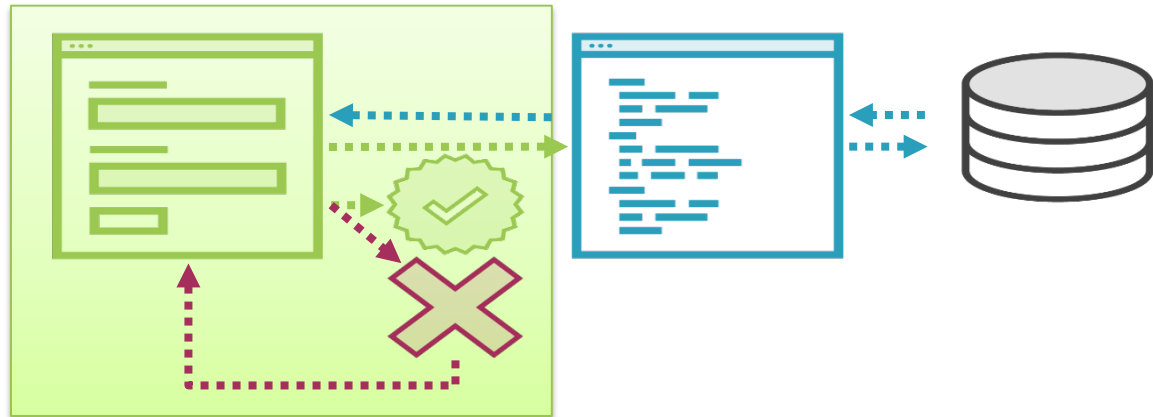
# Angular Forms



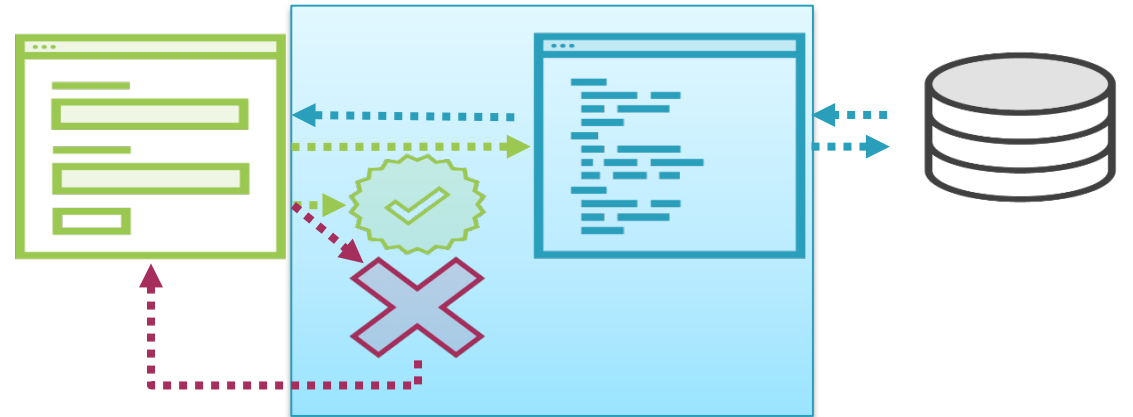


# Angular Forms

Template-driven



Reactive  
(Model-driven)



# Angular Forms

## Template-driven

Easy to use

Similar to Angular 1

Two-way data binding ->  
Minimal component code

Automatically tracks form and  
input element state

## Reactive

More flexible ->  
more complex scenarios

Immutable data model

Easier to perform an action  
on a value change

Reactive transformations ->  
DebounceTime or DistinctUntilChanged

Easily add input elements dynamically

Easier unit testing



# Prerequisites

## Required

- Angular modules (NgModule)
- Components
- Templates
- Binding
- Services
- Routing

## Suggested

- Angular 2: Getting Started
- Angular 2: First Look

## Not Required

- Prior Angular forms knowledge



# Thoughts? Comments? Questions?

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Description

Transcript

Exercise files

**Discussion**

Learning Check

**@deborahkurata**





# Blog Post

<http://blogs.msmvps.com/deborahk/angular-2-reactive-forms-problem-solver/>

## Deborah's Developer MindScape

### "Angular 2: Reactive Forms" Problem Solver

Filed under: Angular 2, JavaScript — deborahk @ 5:05 pm

Tags: Angular, angular2, AngularJS, forms

This blog post supports the sample code for the "Angular 2: Reactive Forms" course on Pluralsight, identifying common issues along with their solutions.



# Checklist



Review module concepts

Code along assistance

Revisit as you build



# GitHub Repository

The screenshot shows the GitHub repository page for **DeborahK / Angular2-ReactiveForms**. The repository has 5 stars, 1 fork, and 3 forks. The main content area shows the repository description: "Materials for my Pluralsight course: Angular 2: Reactive Forms. — Edit". Below this, there are statistics: 35 commits, 1 branch, 0 releases, 1 contributor, and MIT license. A progress bar is visible. The "Branch: master" dropdown is set to "master", and there is a "New pull request" button. Below the branch information, there is a table of commits:

Commit	Message	Time
DeborahK Reformat/rename	Latest commit cc89861 18 hours ago	
.vscode	First check in	2 months ago
APM	Reformat/rename	18 hours ago
Demo-Final	Add CRUD operations.	12 days ago
Demo-Start	Module 6 WIP	a month ago

<https://github.com/DeborahK/Angular2-ReactiveForms>

Angular2-ReactiveForms



# Demo Form

## Sign Up!

**First Name**

First Name (required)

**Last Name**

Last Name (required)

**Email**

Email (required)

☒ Send me your catalog

**Address Type**

☒ Home ☐ Work ☐ Other

**Street Address 1**

Street address

**Street Address 2**

Street address (second line)

**City, State, Zip Code**

City

Select a State...

Zip Code

Save



# Demo



## Sample Application in Action

- Reactive form
- Routing
- Data Access Service



# Course Outline



Template-driven vs. Reactive Forms

Building a Reactive Form

Validation

Reacting to Changes

Dynamically Duplicate Input Elements

Reactive Form in Context

Create, Read, Update and Delete (CRUD)  
Using HTTP

