

# Getting the Most from the TypeScript Compiler

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ACTIVATING ADDITIONAL COMPILER CHECKS FOR YOUR PROJECT



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# JavaScript that scales

**The TypeScript tagline**



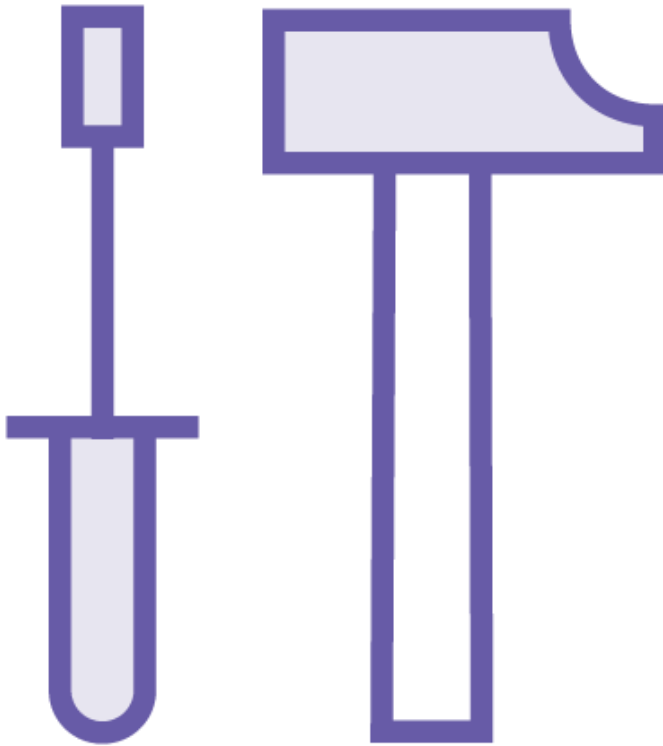
# TypeScript

Types

ESNext

Compiler





**Rapid feedback**

**Avoiding late runtime errors**

**Unhandled cases**

**Better design**



# Overview



## Activate additional compiler options

- Unused locals
- Returned values
- Null checks

## Use advanced language features

- Mapped types
- keyof
- Discriminated unions

## Ways to avoid the any type

## Types as a design tool



# Who Is This Course For?

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# Pre-requisites



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TypeScript



Other relevant  
courses

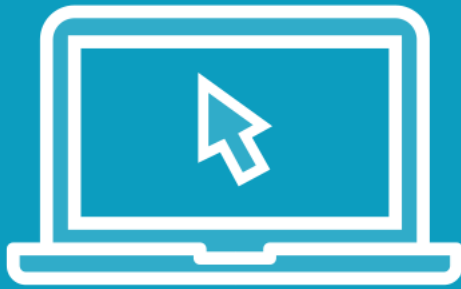
**Brice Wilson's courses:**

- TypeScript In-depth
- Advanced TypeScript





# Demo



## Expenses report web application

- TypeScript
- Angular \*

## Tennis kata



# Overview



## Checking unused

- Locals
- Parameters

## Fallthrough cases in switches

## Avoiding implicitly any

- This
- Other types

## Unexpected returned values

## Checking for nulls and undefined



# Summary



## Checking for unused with

- noUnusedLocals
- noUnusedParameters

## noFallthroughCasesInSwitch

## Avoiding any with

- noImplicitThis
- noImplicitAny

## noImplicitReturns

## strictNullChecks

