

WPF and MVVM: Test Driven Development of ViewModels

INTRODUCTION



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Why should you
care about tests?



“Code without tests
is bad code”

Michael C. Feathers



Course Outline

1

Dependencies

New Friend

2

Getting Started with

Implementing the

Existing Friend

3

Writing Testable

Creating Tests and
Saving a Friend

9

Interacting with
Dialogs in MVVM



Module Outline



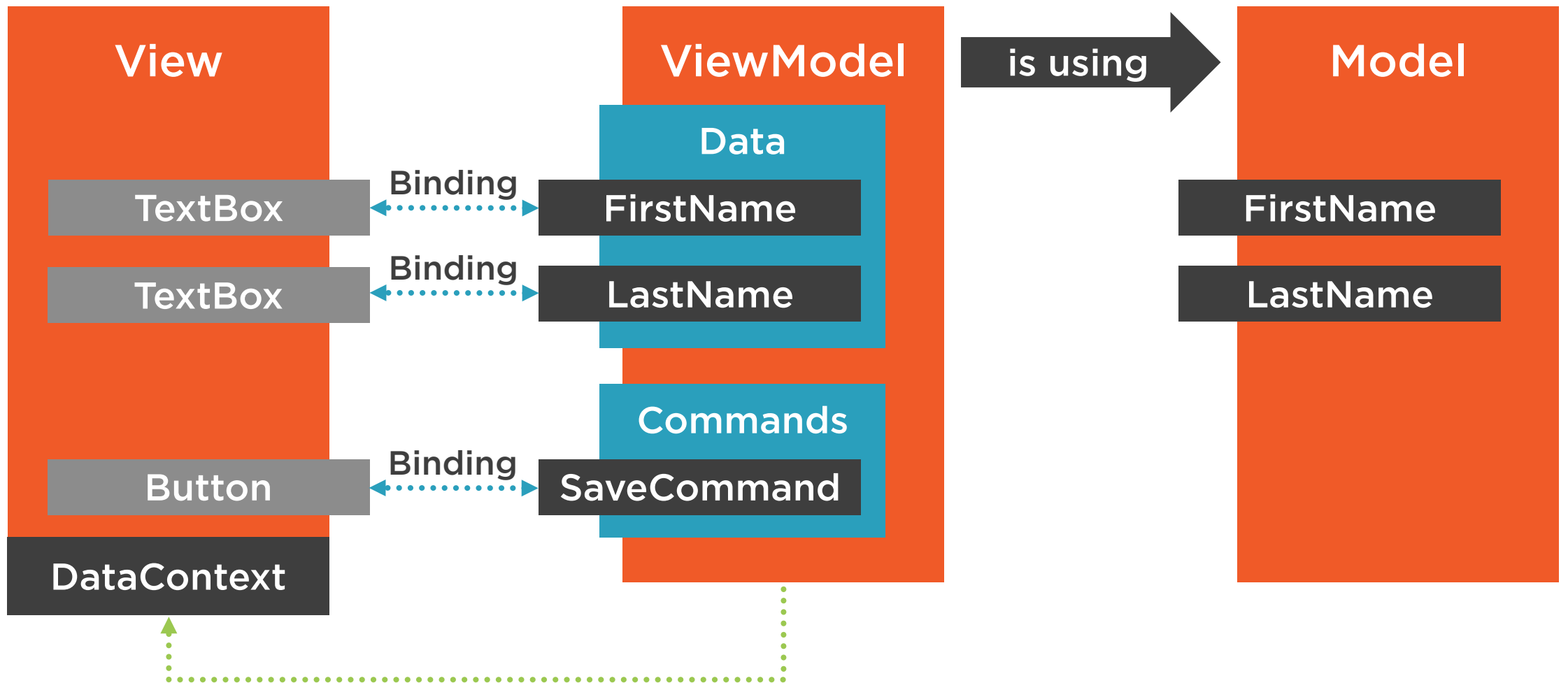
The MVVM pattern

Advantages of MVVM and Unit Testing

The FriendStorage-application



The MVVM-pattern



Advantages of MVVM

Maintainability

View-logic is in the ViewModel
and so separated from the View

Testability

As the ViewModel is UI-independent
it is great to be Unit Tested



Advantages of Unit Testing

Make huge code changes
without breaking functionality

Good tests are a great
documentation

Can improve the design
of your code

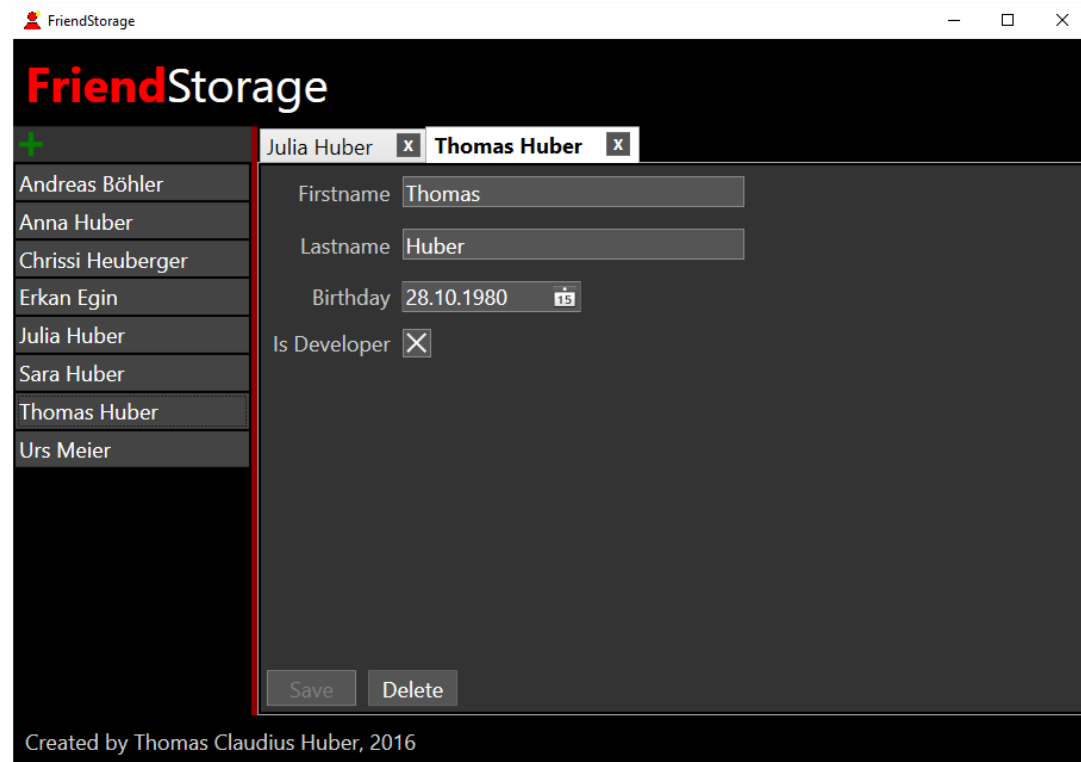
Makes you think harder
about the problem



The FriendStorage-application

Get familiar
with the app

Learn about the
ViewModels we build
in this course



Summary



MVVM is great for Unit Testing
Code without tests is bad code

