# Reducing Effort by Getting Feedback Through Form Flow



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# Agenda



# What is Form Flow and why is it important to me?

### **Customizing Our Forms**

- Attributes
- Custom Business Logic Blocks
- Form Builder Class

**Build Our First Form** 



## What is a Form Flow?

How many rooms do you need? How many guests? 2 When is your check in date? **Jane User John Bot** 09/21/2016



## What is a Form Flow?

How many rooms do you need? How many guests? 2 Oh wait...I meant 3 When is your check in **Jane User John Bot** date? 09/21/2016



## What is a Form Flow?

How many rooms do you need? How many guests? two When is your check in date? **Jane User John Bot** 09/21/2016





### Form Flow

- More Options with Less Effort
- Features
  - Provides clear guidance and help
  - Understands both numbers and textual entries
  - Gives feedback on what is understood and not
  - Asks clarifying questions when needed
  - Allows navigating between steps
  - Messages during the process of filling in a form.
  - Custom prompts per field.
  - Templates to use when automatically generating prompts or help.
  - Terms to match on.
  - Whether to show choices and numbers or not.
  - Fields that are optional.
  - Conditional fields.
  - Value validation
- Binds to a model

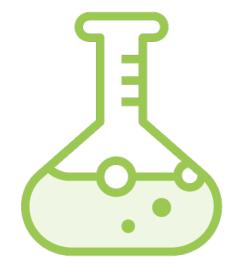


# Customizing our Forms



**Attributes** 

Items you can add to your class to better control the dialog.



**Custom Business Logic** 

Logic for setting or getting custom values.



Form Builder

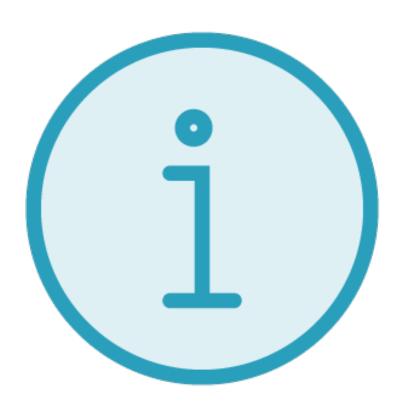
Allows for the most amount of fine grained control





#### **Attribute Types**

- Prompt
  - Define a prompt to use when asking for a field
  - [Prompt("What is your scheduled arrival date?")]
- Describe
  - Change how a field or a value is shown in text
  - [Describe("arrival date")]
    - Property: start\_date
    - Prompt: What is your {&}?
    - Yields: What is your arrival date?
- Numeric
  - Provide limits on the values accepted in a numeric field
  - [Numeric(1, 3)]
- Optional
  - Mark a field as optional which means that one choice is not to supply a value
  - [Optional]



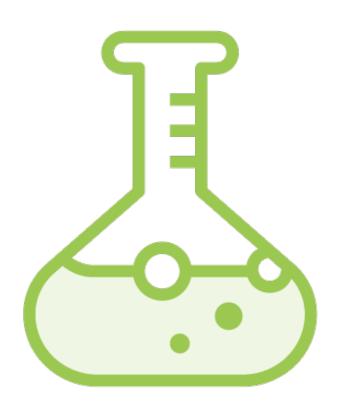
#### **Attribute Types Continued**

- Pattern
  - Define a regular expression to validate a string field
  - [Pattern("(\\(\\d $\{3\}$ \\))?\\s\*\\d $\{3\}$ (-\\\s\*)\\d $\{4\}$ ")]
- Template
  - Define a template that is used to generate prompts or values in prompts
  - [Template(<u>TemplateUsage</u>.EnumSelectOne, "What kind of {&} would suit you? {||}", ChoiceStyle = <u>ChoiceStyleOptions</u>.PerLine)]
  - Template Types: http://goo.gl/AZuOKW

#### - Terms

Define the input terms that match a field or value public enum SizeOptions
{
 [Terms("K", "kng", "large")]
 King,
 Queen,
 Single
};





### **Custom Business Logic**

- Allows you to inject logic in before the getter or setter for a property.
- More options





### Form Builder

- Brings it all together
- Fluent API Interface
- Allows for more fine grained control
- Can specify attributes and custom logic



# Summary



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