

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?



Jane User

How many rooms do you need?

1

How many guests?

2

When is your check in date?

09/21/2016



John Bot



What is a Form Flow?



Jane User

How many rooms do you need?

1

How many guests?

2

Oh wait...I meant 3

When is your check in date?

09/21/2016



John Bot



What is a Form Flow?



Jane User

How many rooms do you need?

1

How many guests?

two

When is your check in date?

09/21/2016



John Bot





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([TemplateUsage](#).EnumSelectOne, "What kind of {&} would suit you? {||}", ChoiceStyle = [ChoiceStyleOptions](#).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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