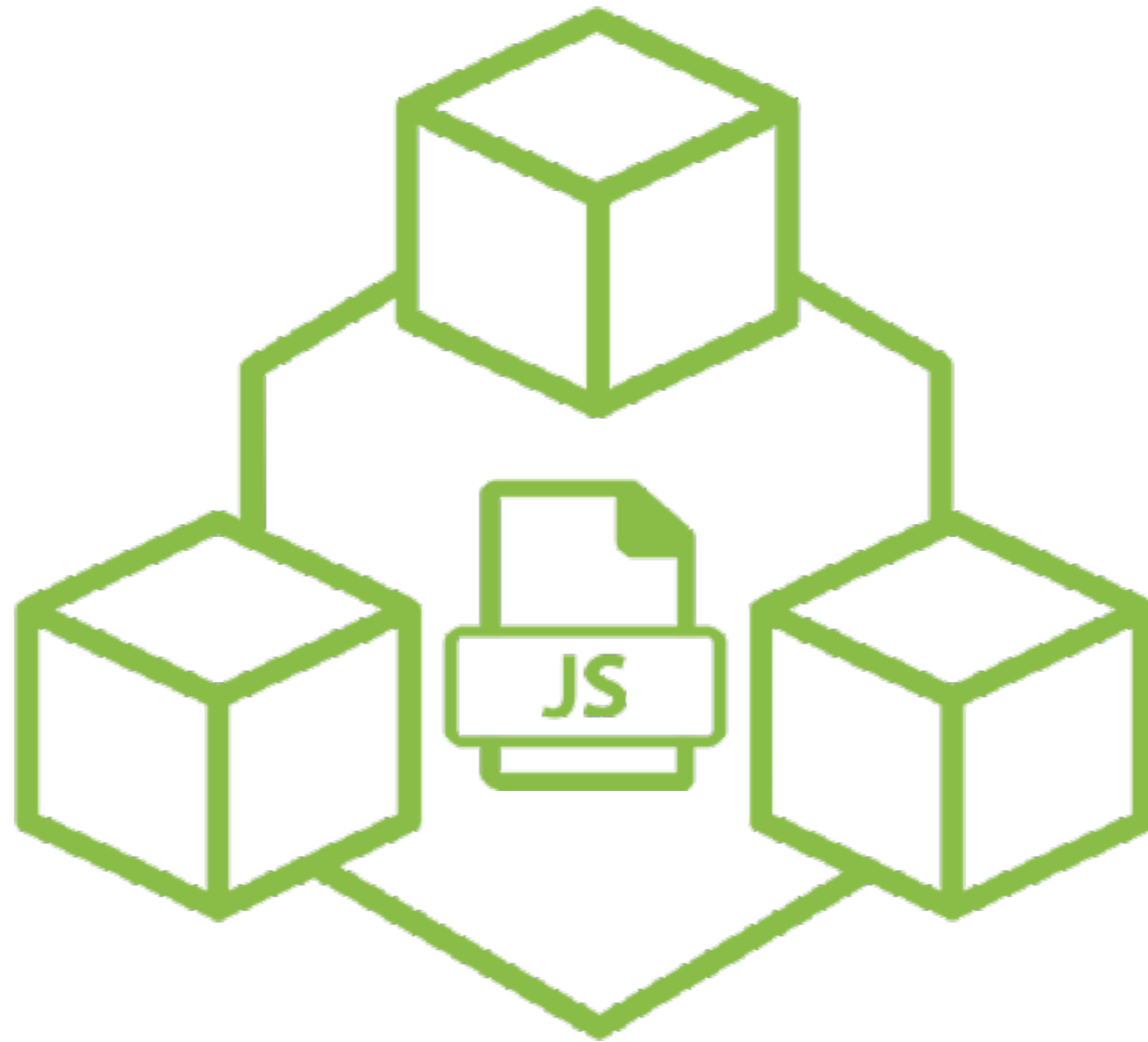


Common JavaScript In Form Building



September 7, 2017

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Presenter: Jonathan Hsu
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Three Forms Every Company Should Be Using

About the Webinar

**Presenter:
Jonathan Hsu**

COMMON JAVASCRIPT IN FORM BUILDING

- ▶ Built-in Variables
- ▶ Operators
- ▶ Subforms
- ▶ Introduction to Functions
- ▶ Common JS Functions



What are built-in variables?



```
ifbuilder.firstName  
ifbuilder.lastName  
ifbuilder.username  
ifbuilder.email
```



```
ifbuilder.osType  
ifbuilder.osVersion  
ifbuilder.appName  
ifbuilder.appVersion  
ifbuilder.formVersion  
ifbuilder.deviceModel  
ifbuilder.deviceLanguage
```

What are operators?

| | | | | | |
|------------------------|-----|-----|---|----|----|
| Assignment | = | | | | |
| Accessor | . | [] | | | |
| Concatenation | + | | | | |
| Equality | == | | | | |
| Strict Equality | === | | | | |
| Inequality | != | < | > | <= | >= |
| Logical Or | | | | | |
| Logical And | && | | | | |

Subforms



Parent



Child 1



Child 2



Child 3

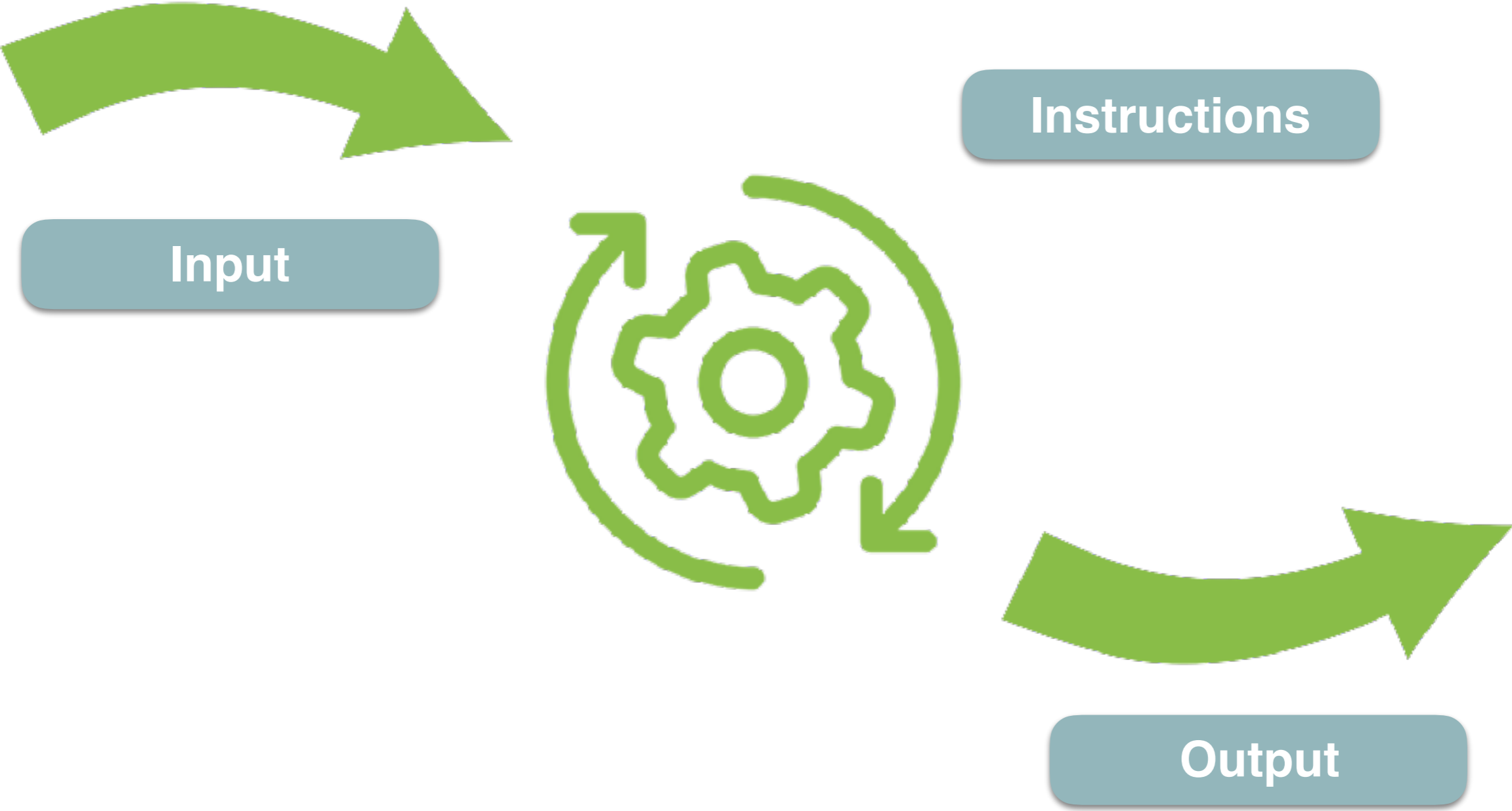
Subforms

```
parent
  children
    [0]
      child_name: Chuck
    [1]
      child_name: Ellie
    [2]
      child_name: Morgan
```

```
parent.children[0].child_name
  Chuck
```

```
parent.children[parent.children.length-1].child_name
  Morgan
```


Introduction to Functions



Introduction to Functions

Instructions

A function has a name. The name is used to call or invoke the set of instructions that are defined within the function's body.

Input

The list of inputs is called the parameter list. These are local variables to be used inside the function and values are assigned to them when the function is called.

Output

The output is also called the function's return. A return is the value that is sent out of the function. It is normally the result of calculations or data manipulations.

Introduction to Functions

Definition

```
function calcArea(x,y) {  
  var area;  
  area = x * y;  
  return area;  
}
```

Call

```
calcArea(5,11)
```

Common Functions

| | |
|---------------|---|
| Name | <code>x.length</code> |
| Input | None |
| Output | Number of characters in text or records in an array |

Use with...

- Text Elements
- Subforms

Common Functions

| | |
|---------------|------------------------------------|
| Name | <code>.indexOf(n)</code> |
| Input | Value to search for |
| Output | Position if found, otherwise -1 |

Use with...

- Multi-Select Elements
- Strings and Arrays

Common Functions

| | |
|---------------|---|
| Name | <code>.toFixed(n)</code> |
| Input | Number of decimal places |
| Output | String with rounded decimal <i>Do not use a Number element</i> |

Use with...

- Formulas
- Currency
- Percentages

Common Functions

| | |
|---------------|----------------------------|
| Name | <code>Math.floor(n)</code> |
| Input | Numeric value |
| Output | Number value rounded down |

Use with...

- Calculations

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What are Zerion Documents & Reports?

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