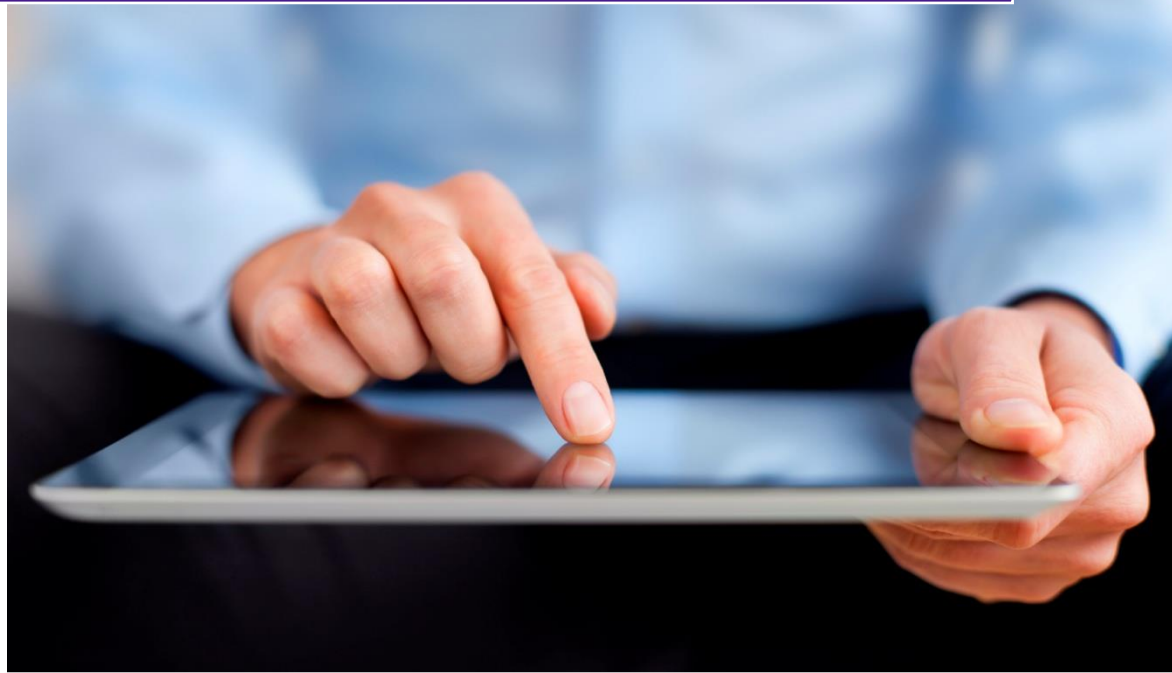




# 2020

## Feature Deep Dive Quick Reference



Dynamic Operations Calculations

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## I. Purpose

The purpose of this document is to serve as a reference for the examples demonstrated during the feature deep-dive session. The information contained in this Quick Reference should assist you in configuring scenarios using the features covered in the session. This document should be used in conjunction with the recording of the corresponding feature deep-dive session on our [YouTube channel](#).

## II. Form - Record Filter Sale


### A. Question – Order Type

Caption

Question Name  

Supporting text / Instructions

☒ Required

☐ Hidden 

Options

☐  [Delete](#)

---

**Advanced Operations**

☒ Add Dynamic Operations using JavaScript (advanced validations and operations dependent on other question in this form, e.g. calculations)

Operation	
Calculation	<i>Calculated value will be displayed as read only</i>
Javascript	<pre>tw.create_filter_sale.order_type.value="Sales Order";</pre>

[Tutorial](#)

The following pre-populates the response to the question to be the Sales Order single select option.

---

```
tw.create_filter_sale.order_type.value="Sales Order";
```

---

## B. Question – Date of Order

Type	Date only ▼
Caption	Date of Order
Question Name	date_of_order ⓘ
Supporting text / Instructions	Enter additional text
<input checked="" type="checkbox"/> Required	
<input type="checkbox"/> Hidden ⓘ	

---

**Advanced Operations**

☒ Add Dynamic Operations using JavaScript (advanced validations and operations dependent on other question in this form, e.g. calculations)

Operation	Calculation ▼ <small>Calculated value will be displayed as read only</small>
Javascript	<pre>tw.create_filter_sale.date_of_order.value=new Date();</pre>

[Tutorial](#)

[Cancel](#) [Save](#)

The following pre-populates the response to the question to be today's date.

```
tw.create_filter_sale.date_of_order.value=new Date();
```

## C. Question – Products Requiring Installation

Type: **Whole number** ▼

Caption: **Products Requiring Installation**

Question Name: **products\_requiring\_installation\_1** ⓘ

Supporting text / Instructions: Enter additional text

☒ Required

☐ Hidden ⓘ

Minimum:  Maximum:

---

**Advanced Operations**

☒ Add Dynamic Operations using JavaScript (advanced validations and operations dependent on other question in this form, e.g. calculations)

Operation: **Calculation** ▼ *Calculated value will be displayed as read only*

JavaScript

```
var count=0;
for(var i=0; i<tw.order_quantities.length; i++) {
  if(tw.order_quantities[i].product_family.value=="UV Filtration System") {
    count++;
  }
  tw.products_requiring_installation.products_requiring_installation_1.value=count;
}
```

[Tutorial](#)

The following goes through each iteration of the repeat section and increases the count when the product family value is UV Filtration System.

---

```
var count=0;
```

```
for(var i=0; i<tw.order_quantities.length; i++) {
```

```
  if(tw.order_quantities[i].product_family.value=="UV Filtration System") {
```

```
    count++;
```

```
  }
```

```
  tw.products_requiring_installation.products_requiring_installation_1.value=count;
```

```
}
```

---

## D. Question – Product Name

Type Short ▾

Caption Product Name

Question Name product\_name i

Supporting text / Instructions Enter additional text

☒ Required

☐ Hidden i

---

**Advanced Operations**

☒ Add Dynamic Operations using JavaScript (advanced validations and operations dependent on other question in this form, e.g. calculations)

Operation Calculation ▾ *Calculated value will be displayed as read only*

JavaScript

```
var j=0;
for (var i=0; i< tw.order_quantities.length; i++) {
  if(tw.order_quantities[i].product_family.value=="UV Filtration System") {
    tw.request_installation_quote[j].product_name.value=tw.order_quantities[i].product.value;
    j++;
  }
}
```

[Tutorial](#)

☐ Add Response Validation (such as formatting for email addresses, phone numbers, number of characters etc)

Cancel Save

The following goes through each iteration of the repeat section containing the products ordered and only pulls the name of the products that have the product family UV Filtration System into the current repeat section.

---

```
var j=0;
```

```
for (var i=0; i< tw.order_quantities.length; i++) {
```

```
  if(tw.order_quantities[i].product_family.value=="UV Filtration System") {
```

```
    tw.request_installation_quote[j].product_name.value=tw.order_quantities[i].product.value;
```

```
    j++;
```

```
  }
```

```
}
```

---

## E. Question – Eligible for Loan

Caption	Eligible for Loan	
Question Name	eligible_or_loan	<a href="#">i</a>
Supporting text / Instructions	Enter additional text	
	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Hidden <a href="#">i</a>	
Options	<div> <input type="radio"/> Yes <a href="#">Delete</a> </div> <div> <input type="radio"/> No <a href="#">Delete</a> </div> <div> <input type="button" value="Add another option"/> </div>	
<b>Advanced Operations</b> <input checked="" type="checkbox"/> Add Dynamic Operations using JavaScript (advanced validations and operations dependent on other question in this form, e.g. calculations)		
Operation	Calculation ▼	<i>Calculated value will be displayed as read only</i>
Javascript	<pre> if(tw.loan_eligibility.household_income.value/ (tw.loan_eligibility.number_of_adults_1.value+tw.loan_eligibility.number_of_children.value)&lt;100000){ tw.qualified_for_loan.eligible_or_loan.value="Yes"; } else { tw.qualified_for_loan.eligible_or_loan.value="No"; }           </pre>	

The following check to see if the average annual income per household member is less than 100000 KSH, and if so, selects the response to the question as the option Yes. Otherwise, it will select the option No.

```

if(tw.loan_eligibility.household_income.value/
(tw.loan_eligibility.number_of_adults_1.value+tw.loan_eligibility.number_of_children.value)<100000
){

tw.qualified_for_loan.eligible_or_loan.value="Yes";

}

else {

tw.qualified_for_loan.eligible_or_loan.value="No";

}
  
```

## F. Question – Eligible for Loan

Caption	Eligible for Loan	
Question Name	eligible_or_loan	<a href="#">i</a>
Supporting text / Instructions	Enter additional text	
	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Hidden <a href="#">i</a>	
Options	<div> <input type="radio"/> Yes <a href="#">Delete</a> </div> <div> <input type="radio"/> No <a href="#">Delete</a> </div> <div> <input type="button" value="Add another option"/> </div>	
<b>Advanced Operations</b> <input checked="" type="checkbox"/> Add Dynamic Operations using JavaScript (advanced validations and operations dependent on other question in this form, e.g. calculations)		
Operation	Calculation ▼ <i>Calculated value will be displayed as read only</i>	
Javascript	<pre> if(tw.loan_eligibility.household_income.value/ (tw.loan_eligibility.number_of_adults_1.value+tw.loan_eligibility.number_of_children.value)&lt;100000){ tw.qualified_for_loan.eligible_or_loan.value="Yes"; } else { tw.qualified_for_loan.eligible_or_loan.value="No"; }           </pre>	

The following checks to see if the average annual income per household member is less than 100000 KSH, and if so, selects the response to the question as the option Yes. Otherwise, it will select the option No.

```

if(tw.loan_eligibility.household_income.value/
(tw.loan_eligibility.number_of_adults_1.value+tw.loan_eligibility.number_of_children.value)<100000
){

tw.qualified_for_loan.eligible_or_loan.value="Yes";

}

else {

tw.qualified_for_loan.eligible_or_loan.value="No";

}
  
```

## G. Question – Total

Type: Whole number ▼

Caption: Total

Question Name: total i

Supporting text / Instructions: Enter additional text

☒ Required

☐ Hidden i

Minimum: 0 Maximum:

---

**Advanced Operations**

☒ Add Dynamic Operations using JavaScript (advanced validations and operations dependent on other question in this form, e.g. calculations)

Operation: Calculation ▼ *Calculated value will be displayed as read only*

JavaScript:

```
var subtotal=0; for(var i=0; i<tw.order_quantities.length;i++) {
  subtotal = subtotal +tw.order_quantities[i].qty_ordered.value*tw.order_quantities[i].unit_price.value;
}

var discount=parseInt(tw.create_filter_sale.coupon_code.value.slice(-2))/100;

tw.order_summary.total.value=subtotal*(1-discount);
```

[Tutorial](#)

The following first calculates the subtotal by going through each iteration of the repeat section containing products ordered and multiplies the qty ordered by the unit price. Then it converts the coupon code scanned into a percentage discount by taking the last two characters which always represents the percentage off. Then it remove the discount from the subtotal to reach the total amount due.

---

```
var subtotal=0;
```

```
for(var i=0; i<tw.order_quantities.length;i++) {
```

```
  subtotal = subtotal +
```

```
  tw.order_quantities[i].qty_ordered.value*tw.order_quantities[i].unit_price.value;
```

```
}
```

```
var discount=parseInt(tw.create_filter_sale.coupon_code.value.slice(-2))/100;
```

```
tw.order_summary.total.value=subtotal*(1-discount);
```

---