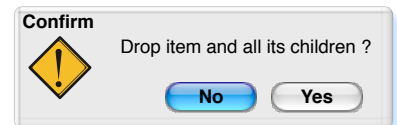


Started changes for DM V3.0.58 Schedule.

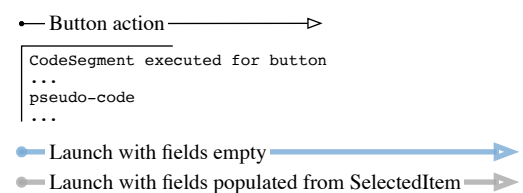
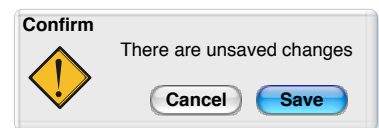
Note

- Buttons are enabled/disabled based on:
 - user privilege
 - if fields changed
 - if ItemSelected
- The buttons (a) enabled/disabled and (b) default, for all combinations, are not shown
- One combination of buttons (a) enabled/disabled and (b) default, is shown. It is Add.
- Fields are enabled/disabled based on:
 - user privilege and
 - (Launch from Edit (blue arrow) or Launch from Add (grey arrow))
- This GUI definition matches **DM V3.0.44.A**, with Schedule from **V3.0.56**.
- Note the proper treatment of:
 - Relational Keys;
 - Identifier separated from attributes; etc
 - which produces a simpler GUI (for both coding and for the user).

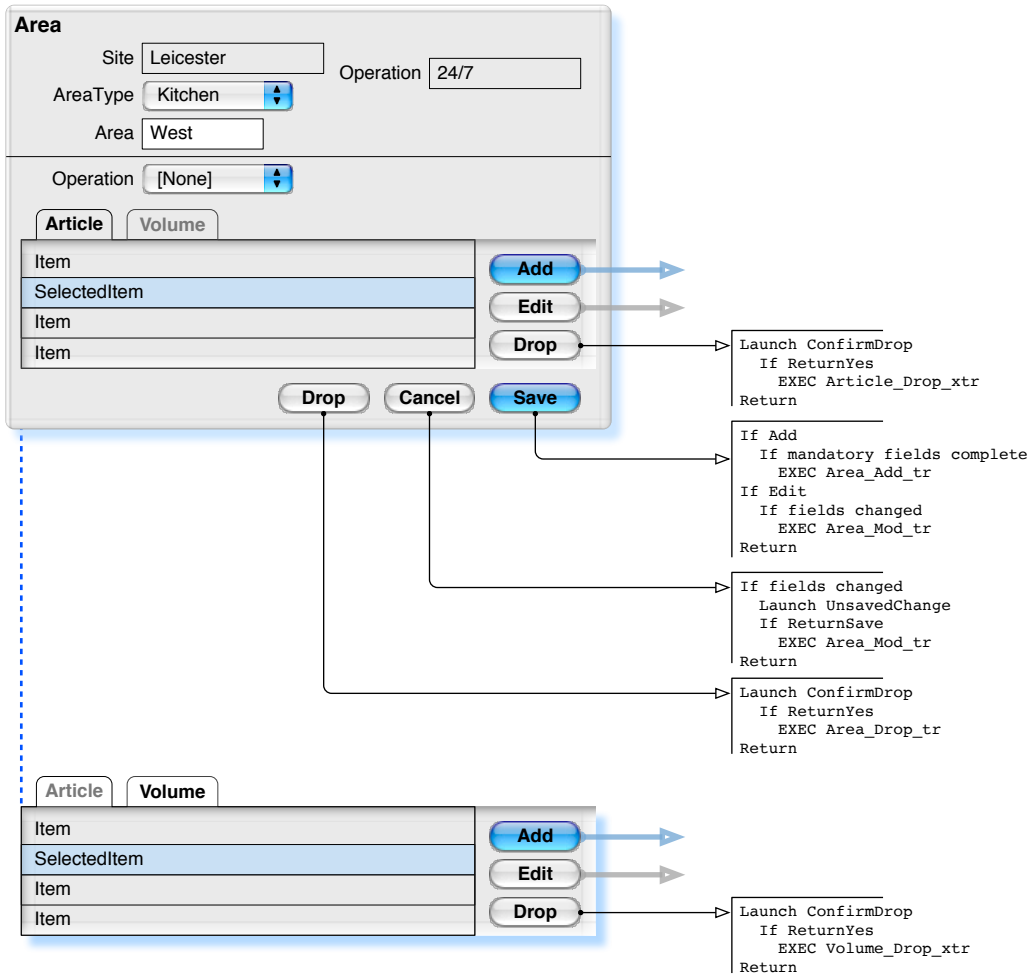
ConfirmDrop



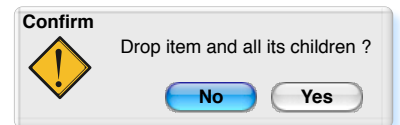
UnsavedChange



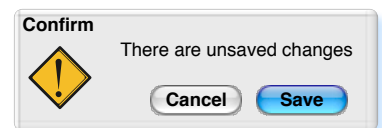
Area



ConfirmDrop



UnsavedChange



— Button action —>

```

CodeSegment executed for button
...
pseudo-code
...
    
```

- Launch with fields empty —>
- Launch with fields populated from SelectedItem —>

Article

Article

Site: Operation:

AreaType: Operation:

Area:

ArticleType:

Article:

Task

| | |
|--------------|-------------------------------------|
| Item | <input type="button" value="Add"/> |
| SelectedItem | <input type="button" value="Edit"/> |
| Item | <input type="button" value="Drop"/> |
| Item | <input type="button" value="Drop"/> |

```

Launch ConfirmDrop
If ReturnYes
EXEC ArticleTask_Drop_xtr
Return

If Add
If mandatory fields complete
EXEC Article_Add_tr
If Edit
If fields changed
EXEC Article_Mod_tr
Return

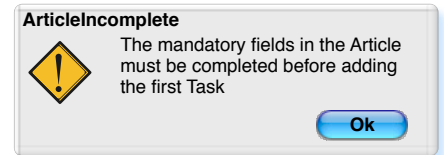
If fields changed
Launch UnsavedChange
If ReturnSave
If Add
EXEC Article_Add_ustr
If Mod
EXEC Article_Mod_tr
Return

Launch ConfirmDrop
If ReturnYes
EXEC Article_Drop_tr
Return
    
```

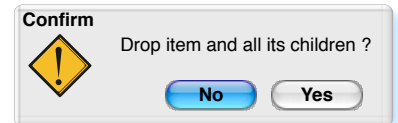
```

1 If mandatory fields complete
Launch Task
Else
Launch ArticleIncomplete
Return
    
```

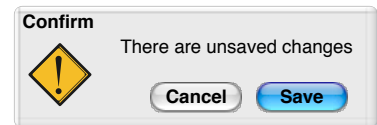
ArticleIncomplete



ConfirmDrop



UnsavedChange



— Button action —>

```

CodeSegment executed for button
...
pseudo-code
...
    
```

- Launch with fields empty
- Launch with fields populated from SelectedItem

Volume

Site Operation

AreaType Operation

Area

VolumeType

Volume

Operation **Add**

VolumeGroup

Item

SelectedItem **Add** ②

Item **Edit**

Item **Drop**

```
Launch ConfirmDrop
If ReturnYes
EXEC VolumeTask_Drop_xtr
Return
```

```
If Add
If mandatory fields complete
EXEC Volume_Add_utr
If Edit
If fields changed
EXEC Volume_Mod_tr
Return
```

```
If fields changed
Launch UnsavedChange
If ReturnSave
If Add
EXEC Volume_Add_utr
If Mod
EXEC Volume_Mod_tr
Return
```

```
Launch ConfirmDrop
If ReturnYes
EXEC Volume_Drop_tr
Return
```

② If mandatory fields complete
Launch Task
Else
Launch VolumeIncomplete
Return

Item

SelectedItem **Add** ③

Item **Edit**

Item **Drop**

```
Launch ConfirmDrop
If ReturnYes
EXEC SensorSwitch_Drop_xtr
Return
```

③ If mandatory fields complete
Launch SensorSwitch
Else
Launch VolumeIncomplete
Return

Item

SelectedItem **Add** ④

Item **Edit**

Item **Drop**

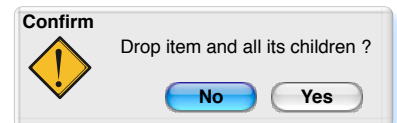
```
Launch ConfirmDrop
If ReturnYes
EXEC SensorAnalog_Drop_xtr
Return
```

④ If mandatory fields complete
Launch SensorAnalog
Else
Launch VolumeIncomplete
Return

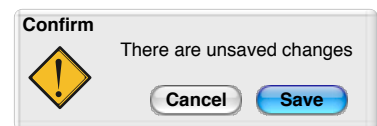
VolumeIncomplete



ConfirmDrop



UnsavedChange



— Button action —>

```
CodeSegment executed for button
...
pseudo-code
...
```

— Launch with fields empty —>

— Launch with fields populated from SelectedItem —>

Task

Article Task

Site: Operation:

AreaType: Operation:

Area:

ArticleType: Operation:

Article:

Task:

Schedule: **Add**

Disable AreaType Article Schedule

Drop **Cancel** **Save**

- All Identifier, no attributes

```

If Add
  If mandatory fields complete
    EXEC ArticleTask_Add_tr
  If Edit
    If fields changed
      EXEC ArticleTask_Mod_tr
    Return
  If fields changed
    Launch UnsavedChange
    If ReturnSave
      If Add
        EXEC ArticleTask_Add_tr
      If Mod
        EXEC ArticleTask_Mod_tr
    Return
  Launch ConfirmDrop
  If ReturnYes
    EXEC ArticleTask_Drop_tr
  Return
    
```

Volume Task

Site: Operation:

AreaType: Operation:

Area:

VolumeType: Operation:

Volume:

Task:

Schedule: **Add**

Disable AreaType Volume Schedule

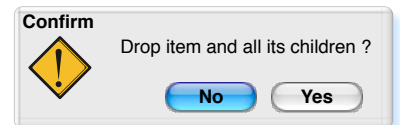
Drop **Cancel** **Save**

- All Identifier, no attributes

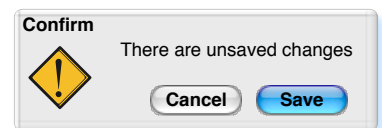
```

If Add
  If mandatory fields complete
    EXEC VolumeTask_Add_tr
  If Edit
    If fields changed
      EXEC VolumeTask_Mod_tr
    Return
  If fields changed
    Launch UnsavedChange
    If ReturnSave
      If Add
        EXEC VolumeTask_Add_tr
      If Mod
        EXEC VolumeTask_Mod_tr
    Return
  Launch ConfirmDrop
  If ReturnYes
    EXEC VolumeTask_Drop_tr
  Return
    
```

ConfirmDrop



UnsavedChange



• Button action →

```

CodeSegment executed for button
...
pseudo-code
...
    
```

- Launch with fields empty →
- Launch with fields populated from SelectedItem →

Sensor

SensorSwitch

Site: Operation:

AreaType: Operation:

Area:

VolumeType: Operation:

Volume:

SwitchType:

SensorNo:

- All Identifier, no attributes
- SensorNo is computed, not entered

```

If Add
  If mandatory fields complete
    EXEC SensorSwitch_Add_tr
If Edit
  If fields changed
    EXEC SensorSwitch_Mod_tr
  Return
If fields changed
  Launch UnsavedChange
  If ReturnSave
    If Add
      EXEC SensorSwitch_Add_tr
    If Mod
      EXEC SensorSwitch_Mod_tr
  Return
Launch ConfirmDrop
  If ReturnYes
    EXEC SensorSwitch_Drop_tr
  Return
    
```

SensorAnalog

Site: Operation:

AreaType: Operation:

Area:

VolumeType: Operation:

Volume:

Medium:

Metric:

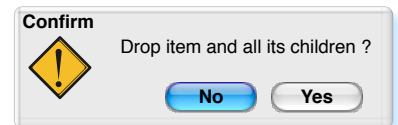
SensorNo:

- All Identifier, no attributes
- SensorNo is computed, not entered

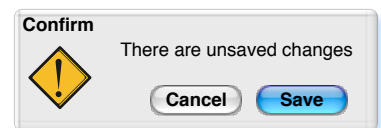
```

If Add
  If mandatory fields complete
    EXEC SensorAnalog_Add_tr
If Edit
  If fields changed
    EXEC SensorAnalog_Mod_tr
  Return
If fields changed
  Launch UnsavedChange
  If ReturnSave
    If Add
      EXEC SensorAnalog_Add_tr
    If Mod
      EXEC SensorAnalog_Mod_tr
  Return
Launch ConfirmDrop
  If ReturnYes
    EXEC SensorAnalog_Drop_tr
  Return
    
```

ConfirmDrop



UnsavedChange



• Button action →

```

CodeSegment executed for button
...
pseudo-code
...
    
```

- Launch with fields empty →
- Launch with fields populated from SelectedItem →

Schedule IntraDaily

Schedule:

Description:

Recurrence:

Hour | **Suppression**

| |
|--------------|
| Item |
| SelectedItem |
| Item |
| Item |

- Select:
- -
 -
 -
 -

```

If Add
  If mandatory fields complete
    EXEC Schedule_Add_utr
If Edit
  If fields changed
    EXEC Schedule_Mod_tr
Return
    
```

```

If fields changed
  Launch UnsavedChange
  If ReturnSave
    If Add
      EXEC Schedule_Add_utr
    If Mod
      EXEC Schedule_Mod_tr
Return
    
```

```

Launch ConfirmDrop
If ReturnYes
  EXEC Schedule_Drop_tr
Return
    
```

Enable if Schedule saved

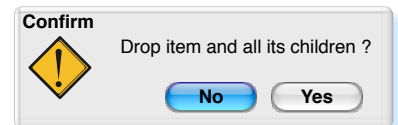
```

Launch ConfirmDrop
If ReturnYes
  EXEC SScheduleSuppression_Drop_xtr
Return
    
```

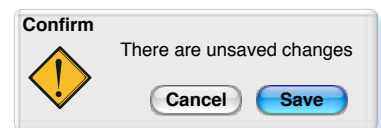
Hour | **Suppression**

| |
|--------------|
| Item |
| SelectedItem |
| Item |
| Item |

ConfirmDrop



UnsavedChange



— Button action —>

```

CodeSegment executed for button
...
pseudo-code
...
    
```

- Launch with fields empty
- Launch with fields populated from SelectedItem

Schedule IntraDaily Hour

Schedule IntraDaily Hour

Schedule:

Hour:

Minute:

Interval Days: Hrs Mins

Must be at least 1

ConfirmDrop

Confirm

Drop item and all its children ?

UnsavedChange

Confirm

There are unsaved changes

— Button action —>

```
CodeSegment executed for button
...
pseudo-code
...
```

- Launch with fields empty —>
- Launch with fields populated from SelectedItem —>

Schedule Daily

Schedule:

Description:

Recurrence:

Hour:

Minute:

Interval Days: Hrs Mins

Escalation | **Suppression**

| | |
|--------------|-------------------------------------|
| Item | <input type="button" value="Add"/> |
| SelectedItem | <input type="button" value="Edit"/> |
| Item | <input type="button" value="Drop"/> |
| Item | <input type="button" value="Drop"/> |

Select:

-
-
-
-
-

5

Enable if Schedule saved

```
Launch ConfirmDrop
If ReturnYes
EXEC ScheduleEscalation_Drop_xtr
Return
```

```
If Add
If mandatory fields complete
EXEC Schedule_Add_utr
If Edit
If fields changed
EXEC Schedule_Mod_tr
Return
```

```
If fields changed
Launch UnsavedChange
If ReturnSave
If Add
EXEC Schedule_Add_utr
If Mod
EXEC Schedule_Mod_tr
Return
```

```
Launch ConfirmDrop
If ReturnYes
EXEC Schedule_Drop_tr
Return
```

6

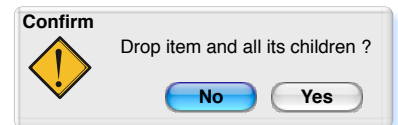
Enable if Schedule saved

```
Launch ConfirmDrop
If ReturnYes
EXEC SScheduleSuppression_Drop_xtr
Return
```

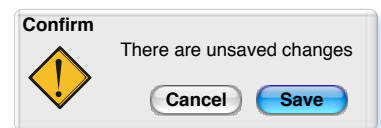
Escalation | **Suppression**

| | |
|--------------|-------------------------------------|
| Item | <input type="button" value="Add"/> |
| SelectedItem | <input type="button" value="Edit"/> |
| Item | <input type="button" value="Drop"/> |
| Item | <input type="button" value="Drop"/> |

ConfirmDrop



UnsavedChange



— Button action —>

```
CodeSegment executed for button
...
pseudo-code
...
```

— Launch with fields empty —>

— Launch with fields populated from SelectedItem —>

Schedule Escalation Daily

Schedule Escalation Daily

Schedule:

Hour:

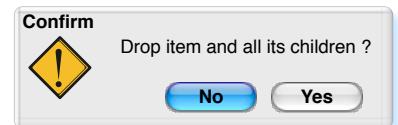
Minute:

Interval Days: Hrs Mins

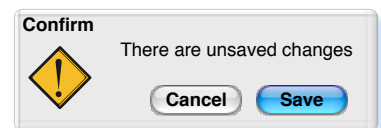
```

If Add
  If mandatory fields complete
    EXEC ScheduleEscalation_Add_tr
  If Edit
    If fields changed
      EXEC ScheduleEscalation_Mod_tr
    Return
  If fields changed
    Launch UnsavedChange
    If ReturnSave
      If Add
        EXEC ScheduleEscalation_Add_tr
      If Mod
        EXEC ScheduleEscalation_Mod_tr
    Return
  Launch ConfirmDrop
  If ReturnYes
    EXEC ScheduleEscalation_Drop_tr
  Return
    
```

ConfirmDrop



UnsavedChange



— Button action —>

```

CodeSegment executed for button
...
pseudo-code
...
    
```

- > Launch with fields empty
- > Launch with fields populated from SelectedItem

Schedule Weekly

Schedule:

Description:

Recurrence:

Day | Suppression

| | |
|--------------|-------------------------------------|
| Item | <input type="button" value="Add"/> |
| SelectedItem | <input type="button" value="Edit"/> |
| Item | <input type="button" value="Drop"/> |
| Item | <input type="button" value="Drop"/> |

Select:

-
-
-
-
-

```
Launch ConfirmDrop
If ReturnYes
EXEC ScheduleWeekDay_Drop_xtr
Return
```

```
If Add
If mandatory fields complete
EXEC Schedule_Add_utr
If Edit
If fields changed
EXEC Schedule_Mod_tr
Return
```

```
If fields changed
Launch UnsavedChange
If ReturnSave
If Add
EXEC Schedule_Add_utr
If Mod
EXEC Schedule_Mod_tr
Return
```

```
Launch ConfirmDrop
If ReturnYes
EXEC Schedule_Drop_tr
Return
```

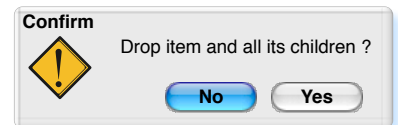
Day | Suppression

| | |
|--------------|-------------------------------------|
| Item | <input type="button" value="Add"/> |
| SelectedItem | <input type="button" value="Edit"/> |
| Item | <input type="button" value="Drop"/> |
| Item | <input type="button" value="Drop"/> |

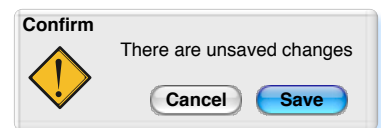
```
Launch ConfirmDrop
If ReturnYes
EXEC SScheduleSuppression_Drop_xtr
Return
```

6 Enable if Schedule saved

ConfirmDrop



UnsavedChange



— Button action —>

```
CodeSegment executed for button
...
pseudo-code
...
```

- Launch with fields empty
- Launch with fields populated from SelectedItem

Schedule Weekly Day

Schedule: Friday End Weekly

Day: Friday

Hour: 13 Minute: 00

Interval Days: Hrs 6 Mins 00

Escalation

| | |
|--------------|------|
| Item | Add |
| SelectedItem | Edit |
| Item | Drop |
| Item | |

Drop Cancel Save

Must be at least 1

5

```

Enable if Schedule saved

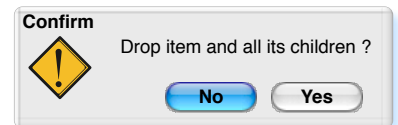
Launch ConfirmDrop
If ReturnYes
EXEC ScheduleEscalation_Drop_xtr
Return

If Add
If mandatory fields complete
EXEC Schedule_Add_utr
If Edit
If fields changed
EXEC Schedule_Mod_tr
Return

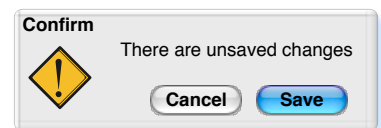
If fields changed
Launch UnsavedChange
If ReturnSave
If Add
EXEC Schedule_Add_utr
If Mod
EXEC Schedule_Mod_tr
Return

Launch ConfirmDrop
If ReturnYes
EXEC Schedule_Drop_tr
Return
    
```

ConfirmDrop



UnsavedChange



— Button action —>

```

CodeSegment executed for button
...
pseudo-code
...
    
```

- Launch with fields empty —>
- Launch with fields populated from SelectedItem —>

Schedule Escalation Weekly

Schedule Escalation Weekly

Schedule:

Day:

Hour:

Minute:

Interval Days: Hrs Mins

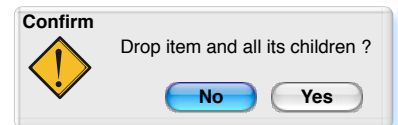
```

If Add
  If mandatory fields complete
    EXEC ScheduleEscalation_Add_tr
  If Edit
    If fields changed
      EXEC ScheduleEscalation_Mod_tr
  Return

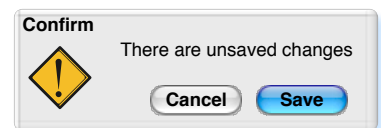
If fields changed
  Launch UnsavedChange
  If ReturnSave
    If Add
      EXEC ScheduleEscalation_Add_tr
    If Mod
      EXEC ScheduleEscalation_Mod_tr
  Return

Launch ConfirmDrop
  If ReturnYes
    EXEC ScheduleEscalation_Drop_tr
  Return
    
```

ConfirmDrop



UnsavedChange



— Button action —>

```

CodeSegment executed for button
...
pseudo-code
...
    
```

- > Launch with fields empty
- > Launch with fields populated from SelectedItem

Schedule Monthly

Schedule

Description

Recurrence

MonthlyDate Date

MonthlyWeek Week Day

Hour

Minute

Interval Days Hrs Mins

Select:

-
-
-
-
-

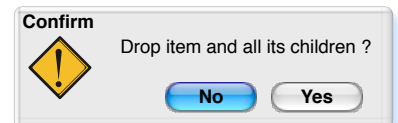
```

If Add
  If mandatory fields complete
    EXEC Schedule_Add_utr
If Edit
  If fields changed
    EXEC Schedule_Mod_tr
Return

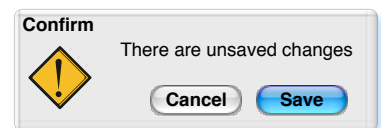
If fields changed
  Launch UnsavedChange
  If ReturnSave
    If Add
      EXEC Schedule_Add_utr
    If Mod
      EXEC Schedule_Mod_tr
Return

Launch ConfirmDrop
  If ReturnYes
    EXEC Schedule_Drop_tr
Return
    
```

ConfirmDrop




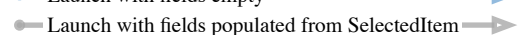
UnsavedChange



— Button action —>

```

CodeSegment executed for button
...
pseudo-code
...
    
```

-  Launch with fields empty
-  Launch with fields populated from SelectedItem

Schedule Quarterly

Schedule Quarterly

Schedule:

Description:

Recurrence:

Month:

Date:

Interval Days: Hrs Mins

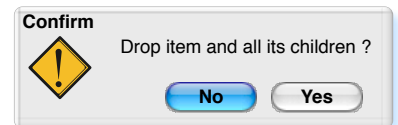
Select:

-
-
-
-
-

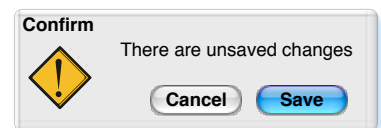
```

If Add
  If mandatory fields complete
    EXEC Schedule_Add_utr
If Edit
  If fields changed
    EXEC Schedule_Mod_tr
  Return
If fields changed
  Launch UnsavedChange
  If ReturnSave
    If Add
      EXEC Schedule_Add_utr
    If Mod
      EXEC Schedule_Mod_tr
  Return
Launch ConfirmDrop
  If ReturnYes
    EXEC Schedule_Drop_tr
  Return
    
```

ConfirmDrop



UnsavedChange



— Button action —>

```

CodeSegment executed for button
...
pseudo-code
...
    
```

- > Launch with fields empty
- > Launch with fields populated from SelectedItem

Schedule Annually

Schedule:

Description:

Recurrence:

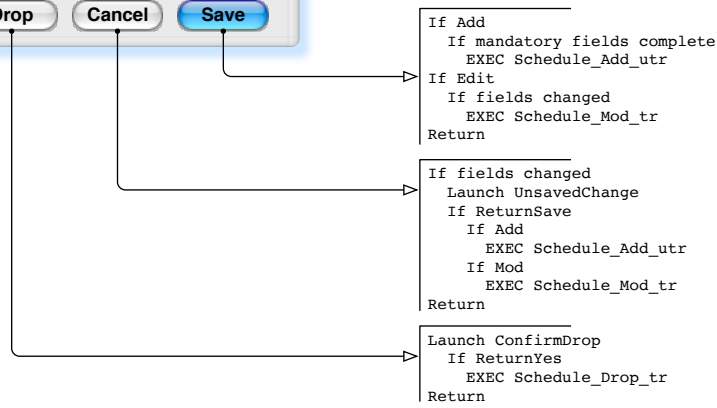
Month:

Date:

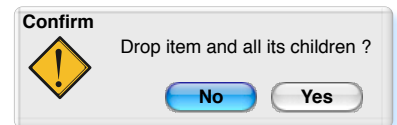
Interval Days: Hrs Mins

Select:

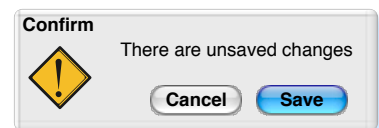
-
-
-
-
-



ConfirmDrop



UnsavedChange



— Button action —>

```

    CodeSegment executed for button
    ...
    pseudo-code
    ...
    
```

- > Launch with fields empty
- > Launch with fields populated from SelectedItem

Schedule Suppression Daily

Schedule Suppression Daily

Schedule:

Suppression:

Recurrence:

Description:

Hour:

Minute:

Interval Days: Hrs Mins

Select:

-
-
-
-

ConfirmDrop

Confirm Drop item and all its children ?

UnsavedChange

Confirm There are unsaved changes

— Button action —>

```
CodeSegment executed for button
...
pseudo-code
...
```

- Launch with fields empty
- Launch with fields populated from SelectedItem

Schedule Suppression Weekly

Schedule Suppression Weekly

Schedule:

Suppression:

Recurrence:

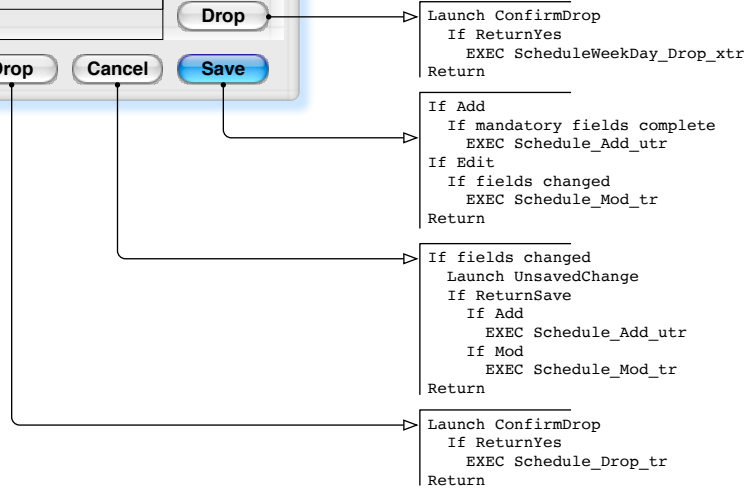
Description:

Day

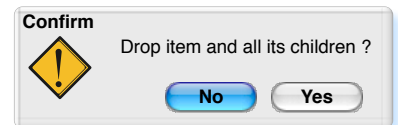
| | |
|--------------|-------------------------------------|
| Item | <input type="button" value="Add"/> |
| SelectedItem | <input type="button" value="Edit"/> |
| Item | <input type="button" value="Drop"/> |
| Item | <input type="button" value="Drop"/> |

Select:

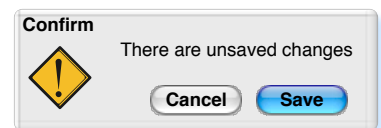
-
-
-
-



ConfirmDrop




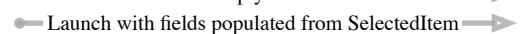
UnsavedChange



— Button action —>

```

CodeSegment executed for button
...
pseudo-code
...
    
```

-  Launch with fields empty
-  Launch with fields populated from SelectedItem

Schedule Suppression Weekly Day

Schedule Suppression Weekly Day

Schedule:

Suppression:

Day:

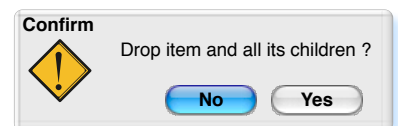
Hour:

Minute:

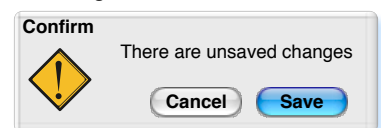
Interval Days: Hrs Mins

Must be at least 1

ConfirmDrop



UnsavedChange



— Button action —>

```
CodeSegment executed for button  
...  
pseudo-code  
...
```

- Launch with fields empty —>
- Launch with fields populated from SelectedItem —>

Schedule Suppression Monthly

Schedule Suppression Monthly

Schedule:

Suppression:

Recurrence:

Description:

MonthlyDate: Date

MonthlyWeek: Week Day

Hour:

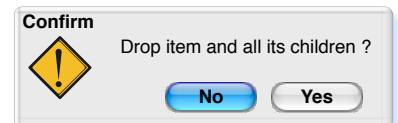
Minute:

Interval Days: Hrs Mins

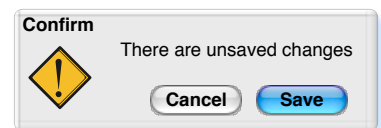
Select:

-
-
-
-

ConfirmDrop


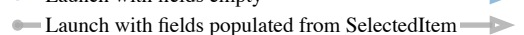


UnsavedChange



— Button action —>

```
CodeSegment executed for button
...
pseudo-code
...
```

-  Launch with fields empty
-  Launch with fields populated from SelectedItem

Schedule Suppression Quarterly

Schedule Suppression Quarterly

Schedule:

Suppression:

Recurrence:

Description:

Month:

Date:

Interval Days: Hrs: Mins:

Select:

-
-
-
-

ConfirmDrop

Confirm Drop item and all its children ?

UnsavedChange

Confirm There are unsaved changes

— Button action —>

```
CodeSegment executed for button
...
pseudo-code
...
```

- Launch with fields empty
- Launch with fields populated from SelectedItem

Schedule Suppression Annually

Schedule Suppression Annually

Schedule:

Suppression:

Recurrence:

Description:

Month:

Date:

Interval Days: Hrs Mins

Select:

-
-
-
-

ConfirmDrop

Confirm Drop item and all its children ?

UnsavedChange

Confirm There are unsaved changes

— Button action —>

```
CodeSegment executed for button
...
pseudo-code
...
```

- Launch with fields empty
- Launch with fields populated from SelectedItem