# i-interchange_arun_final

**iFlexForm Design**

**Document**

**VERSION 1.0**

**FOR**

**WebControls V3.0**

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**DOCUMENT PROFILE**

**PROJECT: Controls**

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**DATE PREPARED: 28-** **Apr-2009**

**TARGETED AUDIENCE:**

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1. INTRODUCTION

The goal of the iFlexForm Component is to achieve more no of columns in a detail section of page. iFlexForm stands flexible grid represented as Form. This is user friendly. We faced user friendly and visibility issues in our iFlexgrid. This would be achieved here.

Having a good component in an application is one of the most vital things to a project. It reduce the input time while user trying to use the component. This document enumerates all the properties and features of iFlexForm component.

1. PURPOSE OF THE DOCUMENT

This document serves as a guideline to the iFlexForm developer. This document would help to identify features of the component and tracking is easy when new requirement or enhancement came in, change management is also made easier and flexible

1. NEED FOR IFLEXFORM

The idea of introducing iFlexForm is to reduce the input time at the time of data entry.

1. FEATURES

* It is same like a form. It has a pane with separate set of buttons to operate the grid operations like(Add Row, Delete Row, Paging and Navigation).
* Update will be done by row wise when you move onto different row by clicking any of the buttons inside iFlexForm.
* Delete record by selecting a particular record and clicking delete button in the footer row
* Add a Record by clicking the Add button in the footer row.
* Validations will be done once focus moves from the control.
* Saving the entered values to dataset use of clicking save button in the footer row.
* Cancelling the entered values and clearing using Cancel button in the footer row.
* Paging is possible.

1. OPERATIONS
2. **Add Record:**

When a Add row button is clicked then clears all the values appeared in controls inside the iFlexForm. The added new row will be maintained in data source as a last row of the iFlexForm. If any other button is clicked show confirmation message and save the same in data source if the record is validated.

1. **Save/Update Record:**

When the save or update button clicked. Update operation will be done in data source. Validation should fire before saving the row to data source. If any other button is clicked show confirmation message.

1. **Delete Record:**

The current record shall be deleted once the Delete button is clicked. The row will be deleted in the data source. The deleted row will not be available while navigating in the iFlexform.

1. **Validation:**

By default, when the focus moves from control to another control or If you click any button inside iFlexform, validation occurs based on the validation group specified in controls (as control name of the iFlexform). If the validation fails, focus will remain in the same control.

1. **Cancel:**

By default, when the cancel button is clicked then rollback the changes done in iFlexform control or rebind the current row. If the operation is new record insertion then clear the textbox and exit. This cancel button is always visible. But only cancel operation is done when any changes made in iFlexform control.

1. **Navigation/Paging:**

Navigation is same as our grid control. Which will bind the current row context to controls appeared inside the iFlexform. Navigation has 4 basic operations such as Navigate to First record, Navigate to Previous record, Navigate to Next record and Navigate to Last Record by passing the current page index(as datakey to datasource).. It’s hardcoded in the iFlexform itself. If any control appeared in the iFlexform has any changes confirmation message should be shown at the time of navigation.

1. **First Record:**

Always refers first record in data source. It’s hardcoded. If the first record is deleted, then often next record is first record. It is maintained in the iFlexform control as page index.

1. **Previous Record:**

Decrement the current page index and bind the data from data source. If the previous record is deleted, then often previous record is previous record.

1. **Next Record:**

Increment the current page index and bind the data from data source. If the next record is deleted, then often next record is next record.

1. **Last Record:**

Always refers last record in data source. It’s hardcoded. If the last record is deleted, then often previous record is last record. It is maintained in the iFlexform control as page index.

1. **List Popup:**

Popup page need to be configured or It can be like a generic pending list page. This will bind all the data appeared in controls (inside iFlexform) as a list in the form of grid. The user can select the data. The selected data need to be bounded in iFlexform controls by returning datakey of the selected row.

1. PROPERTIES

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| --- | --- |
| AllowDelete | This property should be true in order to delete rows in the iFlexform. If the value is false, then Delete button won’t be shown in the iFlexform and also not possible to delete any rows to the iFlexform. At a time, Single row will be deleted. Default value is True. |
| AllowAdd | This property should be true in order to add rows in the iFlexform. If the value is false, then Add button won’t be shown in the iFlexform and also not possible to add any rows to the iFlexform. Default value is True. |
| AllowEdit | This property should be true in order to update or save rows in the iFlexform. If the value is false, then Update button won’t be shown in the iFlexform and also not possible to save or update any rows to the iFlexform. Default value is True. |
| AddButtonText | This property is used to set the value of Add button control. |
| UpdateButtonText | This property is used to set the value of Update button control. Based on the iFlexform mode. It can be changed. If iFlexform mode is new then “Save” else “Update”. |
| ListButtonText | This property is used to set the value of List button control. |
| DeleteButtonText | This property is used to set the value of Delete button control. |
| CancelButtonText | This property is used to set the value of Cancel button control |
| FirstButtonText | This property is used to set the value of First button control |
| LastButtonText | This property is used to set the value of Last button control |
| PrevButtonText | This property is used to set the value of Prev button control |
| NextButtonText | This property is used to set the value of Next button control |
| Validation Group | This property is used to set the validation group name in the iFlexform. And also need to specify all the controls inside iFlexform |
| DataMember | The table Name, whose values will be binded to the iFlexform. |
| CurrentRowIndex | Current Row Index should be maintained here |
| DataSource | Current DataTable has been maintained in session here. |
| UseCachedDatasource | By Default, the value is True. This value should be true to maintain the data source in the session in the control level itself. |
| RecordCount | Total no of records in dataset has to be updated on every operation. |
| Initial Mode | Mode (New,Edit,View) needs to be maintained in control at the time of operation handled. |
| Columns | All the controls available in the form to be mapped here. |

1. EVENTS

|  |  |
| --- | --- |
| Client Bind | This event will be raised when the bind method is called. |
| Row Inserting | This event will be raised at the time of save button click. |
| Row Updating | This event will be raised at the time of update button click. |
| Row Deleting | This event will be raised at the time of delete button click. |
| Row Cancelling | This event will be raised at the time of cancel button click. |
| Row Inserted | This event will be raised after insertion callback. |
| Row Updated | This event will be raised after updation callback. |
| Row Deleted | This event will be raised after deletion callback.. |
| Add Click | - When Add button clicked, Clear the values from control  and set focus to the first control. - Form mode need to set as “New” - Change the Add button Text to “Save” - Change the List button Text to “Cancel” |
| Save Click | - When Save button clicked. Validate the submitted record  - Pass the values as array and update the dataset. - Change the Save button Text to “Add” - Change the Cancel button Text to “List” |
| Cancel Click | - When Cancel button clicked. Show confirmation message to do cancel operation. If yes then rollback the values and place the cursor on first control. Shall bring the formmode to previous state. For example, If the user clicks Add when he is 5th record, he shall come to this state if the Cancel is invoked  - Change the Save button Text to “Add” - Change the Cancel button Text to “List” |
| List Click | - When List button clicked. Open modal popup page which shows the data in grid.  - User can select a record from the list. |
|  |  |
| Delete Click | - When Delete button clicked. Pass the current row index.  - Delete the record in dataset use of current row index.  . |
| First Click | - When First button clicked. Pass the current row index. Row index is hardcoded (0).  - Form mode need to set as “View”  – Bind the data to controls. |
| Prev Click | - When Prev button clicked. Pass the current row index.  - Form mode need to set as “View”  – Bind the data to controls. Decrement the current row index.  – If the current row index as 0. Show the warning message. |
| Next Click | - When Next button clicked. Pass the current row index.  - Form mode need to set as “View”  – Increment the current row index. Bind the data to controls.  – If the current row index is reached max. Show the warning message. |
| Last Click | - When Last button clicked. Pass the current row index. Row index is hardcoded (0).  - Form mode need to set as “View”  – Bind the data to controls. |

1. PROTOTYPE

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| **Initial Page Load** | **New Mode** | |
| **Edit Mode** |  |
| **List Popup** | |

**REVISION HISTORY**

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