

Current page	History array contents	History Array length	Pointer (calculated on exit of prior page)	Back button state	Next button state	Action taken to go exit this page	Action on exit
p1	empty	0	0	disabled	disabled	Link to p2	
	p1	1	1				<pre>If (pointer < arrayLen){ // delete pages after current page historyArray.length = pointer; } else { Add current page to history array } Pointer = arrayLen; Go to destination page;</pre>
p2	p1	1	1	enabled	disabled	Link to p3	
	p1,p2	2	2				<pre>If (pointer < arrayLen){ // delete pages after current page historyArray.length = pointer; } else { Add current page to history array } Pointer = arrayLen; Go to destination page</pre>
p3	p1,p2	2	2	enabled	disabled	Link to p4	
	p1,p2,p3	3	3				<pre>If (pointer < arrayLen){ // delete pages after current page historyArray.length = pointer; } else { Add current page to history array } Pointer = arrayLen; Go to destination page</pre>

p4	p1,p2,p3	3	3	enabled	disabled	Link to p2	
	p1,p2,p3,p4	4	4				<pre> If (pointer < arrayLen){ // delete pages after current page historyArray.length = pointer; } else { Add current page to history array } Pointer = arrayLen Go to destination page </pre>
p2	p1,p2,p3,p4	4	4	enabled	enabled	Back	
	p1,p2,p3,p4,p2	5	5				<pre> If (pointer == arrayLen){ add current page to History array Pointer = arrayLen } Pointer = pointer -1; // allow for back button use Go to historyArray[pointer - 1] </pre>
p4	p1,p2,p3,p4,p2	5	4	enabled	enabled	Back	
			3				<pre> If (pointer == arrayLen){ add current page to History array Pointer = arrayLen } Pointer = pointer -1; // allow for back button use Go to historyArray[pointer - 1] </pre>
p3	p1,p2,p3,p4,p2	5	3	enabled	enabled	Back	
			2				<pre> If (pointer == arrayLen){ add current page to History array Pointer = arrayLen } Pointer = pointer -1; // allow for back button use Go to historyArray[pointer - 1] </pre>
p2	p1,p2,p3,p4,p2	5	2	enabled	enabled	Next	

			3				Pointer = pointer +1; // allow for next button use Go to historyArray[pointer - 1]
p3	p1,p2,p3,p4,p2	5	3	enabled	enabled	Link to p6	
	p1,p2,p3	3	3				If (pointer < arrayLen){ // delete pages after current page historyArray.length = pointer; } else { Add current page to history array } Pointer = arrayLen; Go to destination page;
p6	p1,p2,p3	3	3	enabled	disabled	Link to p7	
	p1,p2,p3,p6	4	4				If (pointer < arrayLen){ // delete pages after current page historyArray.length = pointer; } else { Add current page to history array } Pointer = arrayLen; Go to destination page;
p7	p1,p2,p3,p6	4	4	enabled	disabled	Back	
	p1,p2,p3,p6,p7	5	5				If (pointer == arrayLen){ add current page to History array Pointer = arrayLen } Pointer = pointer -1; // allow for back button use Go to historyArray[pointer - 1]
p6	p1,p2,p3,p6,p7	5	4	enabled	enabled	Back	
							If (pointer == arrayLen){ add current page to History array Pointer = arrayLen

			3				} Pointer = pointer - 1; // allow for back button use Go to historyArray[pointer - 1]
p3	p1,p2,p3,p6,p7	5	3	enabled	enabled	Link to p1	
	p1,p2,p3		3				If (pointer < arrayLen){ // delete pages after current page historyArray.length = pointer; } else { Add current page to history array } Pointer = arrayLen; Go to destination page;
p1	p1,p2,p3	3	ArrayLen	Enabled	disabled		

Rules for Xerte usage.

The history array is used to identify the page

The Next button

The Next button is always enabled but the action taken depends on a comparison of the pointer value with the historyArray.length

```
If (pointer value < historyArray.length){
    // next action goes forward in history
    Pointer = pointer +1; // allow for next button use
    Go to historyArray[pointer - 1]
} else {
    // next action is to next page in page index array sequence i.e. a “normal” xerte next.
}
```

The Back button

The Back button is only enabled when the pointer value is greater than 0

```
If (pointer == arrayLen){
    //add current page to History array
    historyArray.push(page);
    Pointer = arrayLen;
}
Pointer = pointer -1; // allow for back button use
Go to historyArray[pointer - 1]
```

Action when following a link

```
If (pointer < arrayLen){
    // delete pages after current page
    historyArray.length = pointer;
} else {
    //Add current page to history array
    historyArray.push(page);
}
Pointer = arrayLen;
Go to destination page specified by link;
```