HTML5 Web Storage, IndexedDB and File System

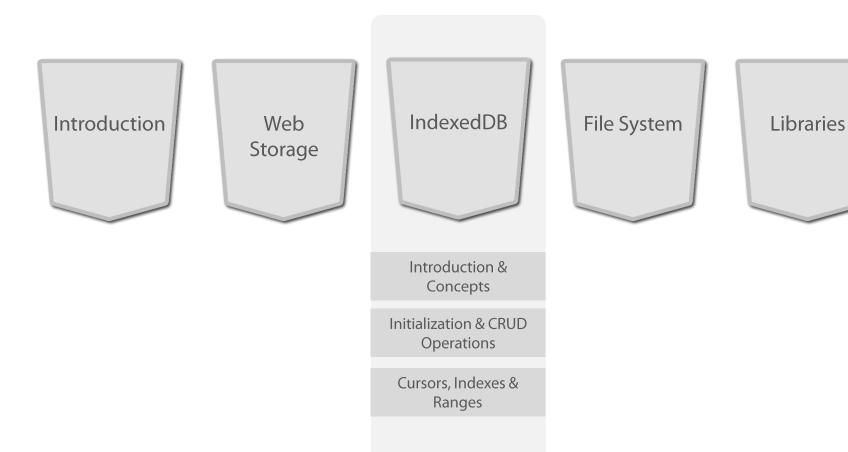
IndexedDB: Cursors, Indexes & Ranges

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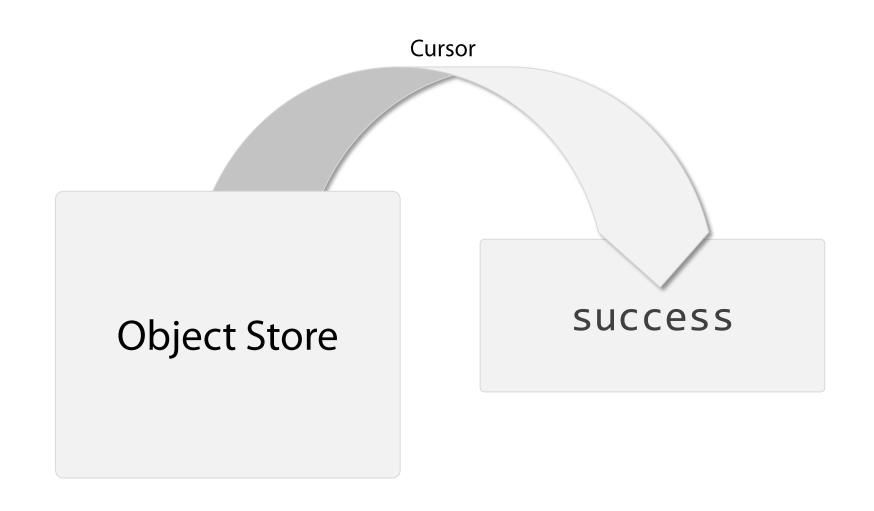


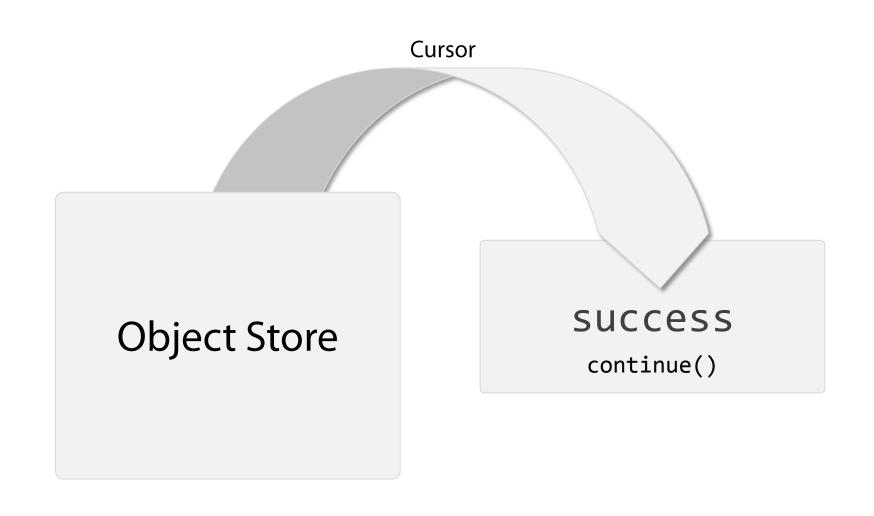
Contents

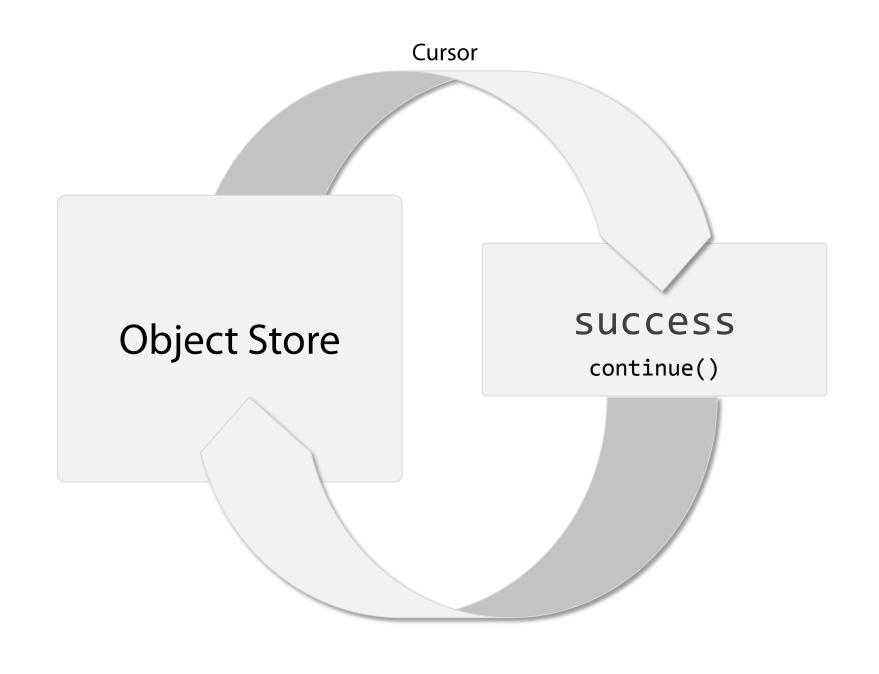


Cursors

Object Store







Detecting "Done"

Get Cursor Count Get Cursor Count

Execute Cursor

Get Cursor Count

Execute Cursor

Continue Until

iteration count equals cursor count

A cursor is done is when...

iteration amount = cursor count

Ranges

A constraint you pass to a cursor to restrict results.

Name	Age
John	25
Dan	26
James	27
Samantha	27
Heidi	28
Mary	29
Jason	30

upperBound(28)

Name	Age
John	25
Dan	26
James	27
Samantha	27
Heidi	28
Mary	29
Jason	30

- John, 25
- Dan, 26
- James, 27
- Samantha, 27
- Heidi, 28

upperBound(28, true)

Name	Age
John	25
Dan	26
James	27
Samantha	27
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- John, 25
- Dan, 26
- James, 27
- Samantha, 27

Tip

The optional open parameter asks, "Should I exclude the given value in the results?"

lowerBound(28)

Name	Age
John	25
Dan	26
James	27
Samantha	27
Heidi	28
Mary	29
Jason	30

- Heidi, 28
- Mary, 29
- Jason, 30

lowerBound(28, true)

Name	Age
John	25
Dan	26
James	27
Samantha	27
	20

- Mary, 29
- Jason, 30

Tip

The optional open parameter asks, "Should I exclude the given value in the results?"

bound(26, 29)

Name	Age
John	25
Dan	26
James	27
Samantha	27
Heidi	28
Mary	29
Jason	30

- Dan, 26
- James, 27
- Samantha, 27
- Heidi, 28
- Mary, 29



bound(26, 29, true, false)

Name	Age
John	25
Dan	26
James	27
Samantha	27
Heidi	28
Mary	29
Jason	30

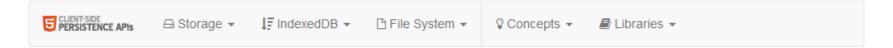
- James, 27
- Samantha, 27
- Heidi, 28
- Mary, 29

only(27)

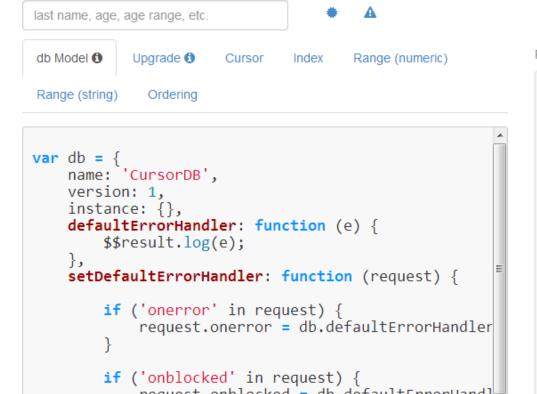
Name	Age
John	25
Dan	26
James	27
Samantha	27
Heidi	28
Mary	29
Jason	30

- James, 27
- Samantha, 27

Summary



Cursors, Indexes & Ranges



RESULT

- · Creating people store
- 100 people objects are now added to the people store.
- The CursorDB database open and ready.

Up Next...



↓F IndexedDB ▼

☐ File System ▼

♀ Concepts

▼

■ Libraries ▼

Performance

Note: Since there are so many objects loaded into this store make sure you give the browser a sufficient amount of time to seed the store the first time you run this demo. It's possible the database could take perhaps 30 seconds or so to open the database once data is in the store.

last name, age, age range, etc.





Range (numeric)

Range (string)

```
var
    parts = $('#input-box').val().split('-'),
    startAge = 0,
    endAge = 0;

startAge = Number(parts[0]);

if (isNaN(startAge)) {
    $$result.log('You must enter a numeric value.');
```

RESULT

- Creating people store
- · Attempting to seed data store with 500K objects...
- 500000 people objects are now added to the people store.
- Make sure to wait for the open notification (after this line) to appear before you proceed.
- The PerformanceDB database open and ready.