

# Webpage Navigation

## Lecture 27

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- 1 Popup Boxes
- 2 The Document Object Model
- 3 The `history` Object
- 4 The `location` Object
- 5 Assignment

# Outline

- 1 **Popup Boxes**
- 2 The Document Object Model
- 3 The `history` Object
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# Popup Boxes

- Javascript provides three types of popup box.
  - Alert boxes
  - Confirm boxes
  - Prompt boxes

# Alert Boxes

## Alert Box

```
alert(string);
```

- An **alert box** displays a user-specified string and an **OK** button.
- The user must click **OK** for execution to continue.
- We have already used alert boxes to inform the user of invalid data.
- We should use alert boxes to inform the user about actions that are being taken or have been taken.
- For example, if a record has been added, deleted, or updated from a database, we should let the user know that.

# Confirm Boxes

## Confirm Box

```
confirm(string) ;
```

- An **confirm box** displays a user-specified string, an **OK** button, and a cancel button.
- If the user clicks **OK**, the box returns `true`.
- If the user clicks **Cancel**, the box returns `false`.
- A confirm box should be used whenever the user is deleting data from the database.

# Prompt Boxes

## Prompt Box

```
prompt(string);
```

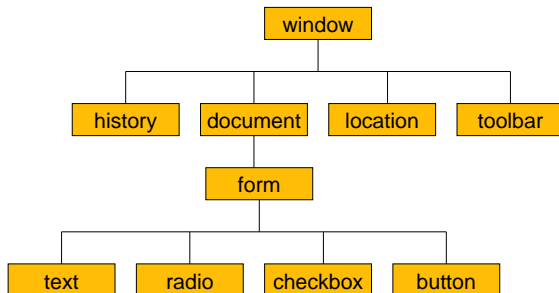
- An **prompt box** displays a user-specified string, a text box, an **OK** button, a cancel button.
- If the user clicks **OK**, the box returns the input value.
- If the user clicks **Cancel**, the box returns **null**.
- A prompt box may be used whenever the user enters a single datum.

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# The location Object

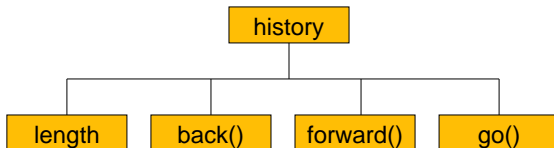


- Recall the DOM.
- We will use the `location` and `history` objects to navigate among web pages.

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# The history Object



- `length` – The number of URL's in the history.
- `back()` – Go back to the previous URL.
- `forward()` – Go forward to the next URL.
- `go(int)` – Go to the specified URL.

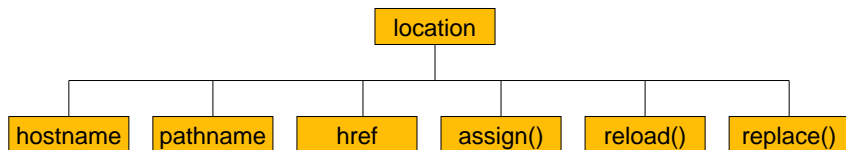
# The history Object

- Consider the web page that searched for an employee and displayed his data.
- After displaying the data, we would like to return to the previous page.
- We should add a button whose `onclick` action is `history.back()`.

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# The location Object



- `hostname` – The name of the host server (`cslabfs`).
- `pathname` – The pathname from `var/www`.
- `href` – The full URL of the current page.
- `assign(URL)` – Make the specified URL the current page.
- `reload()` – Reload the current page.
- `relace(URL)` – Replace the current page with the specified URL.

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# Assignment

## Assignment

- Visit the W3Schools websites

- [http://www.w3schools.com/jsref/obj\\_history.asp](http://www.w3schools.com/jsref/obj_history.asp)
- [http://www.w3schools.com/jsref/obj\\_location.asp](http://www.w3schools.com/jsref/obj_location.asp)
- [http://www.w3schools.com/js/js\\_popup.asp](http://www.w3schools.com/js/js_popup.asp)