

















Introducing the Event Model

- In the W3C event model, an event is split into three phases
 - A capture phase as the event moves down the object hierarchy
 A target phase in which the event reaches the object
 - from which the event originated

 A **bubbling phase** in which the event moves back up
 - A **bubbling phase** in which the event moves back up the object hierarchy
- To run a function, you create an event listener that detects when a particular event has reached an object in the document

object.addEventListener(event, function, capture)

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Introducing the Event Model

- Both event models allow you to remove event handlers from objects
 - The IE event model uses the detachEvent method object.detachEvent (onevent, function)
 - The W3C event model uses the removeEventListener method

object.removeEventListener (event, function, capture)

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Introducing the Event Model

• IE Event Model

- To attach a function to an object, run: object.attachEvent(onevent, function); where object is the object receiving the event, onevent is the text string of the event handler, and function is the function that runs in response to the event. Multiple functions can be attached to the same event in the same object.
- To detach a function, run the following: object.detachEvent(onevent, function);

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Introducing the Event Model

W3C Event Model

 To run a function when an event reaches an object, use object.addEventListener(event, function, capture);

where object is the object receiving the event, event is the text string describing the event, function is the function to run in response to the event, and capture equals true if the event is moving down the document tree and false if the event is bubbling up the tree.

 To stop listening for an event, run the following: object.removeEventListener(event, function, capture);

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