

A vertical decorative strip on the left side of the slide. It features a light green background with a dark green, textured vertical band. Two yellow-orange flowers are positioned at the top, and a faint cross symbol is visible in the upper left corner.

Browser based Web Accessibility Measurement Component

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Problem description

❖ Goal of project

- a browser based measurement component
- proof the conception, find some elements amount

❖ Solution strategy

- traditional browser
- mozilla (xulrunner+python)

❖ Requirements

- windows environment

Background

- ❖ Python
- ❖ Mozilla
- ❖ XUL
- ❖ XULrunner
- ❖ Sopypy and other addition package
- ❖ DOM
- ❖ MSAA

Design and Implementation

- ❖ Python only
 - Sgmlib models
- ❖ Python+dom
- ❖ Python+xulrunner
 - build a application in xulrunner
 - proof the conception

discussion

❖ Python(html)+ sax VS dom

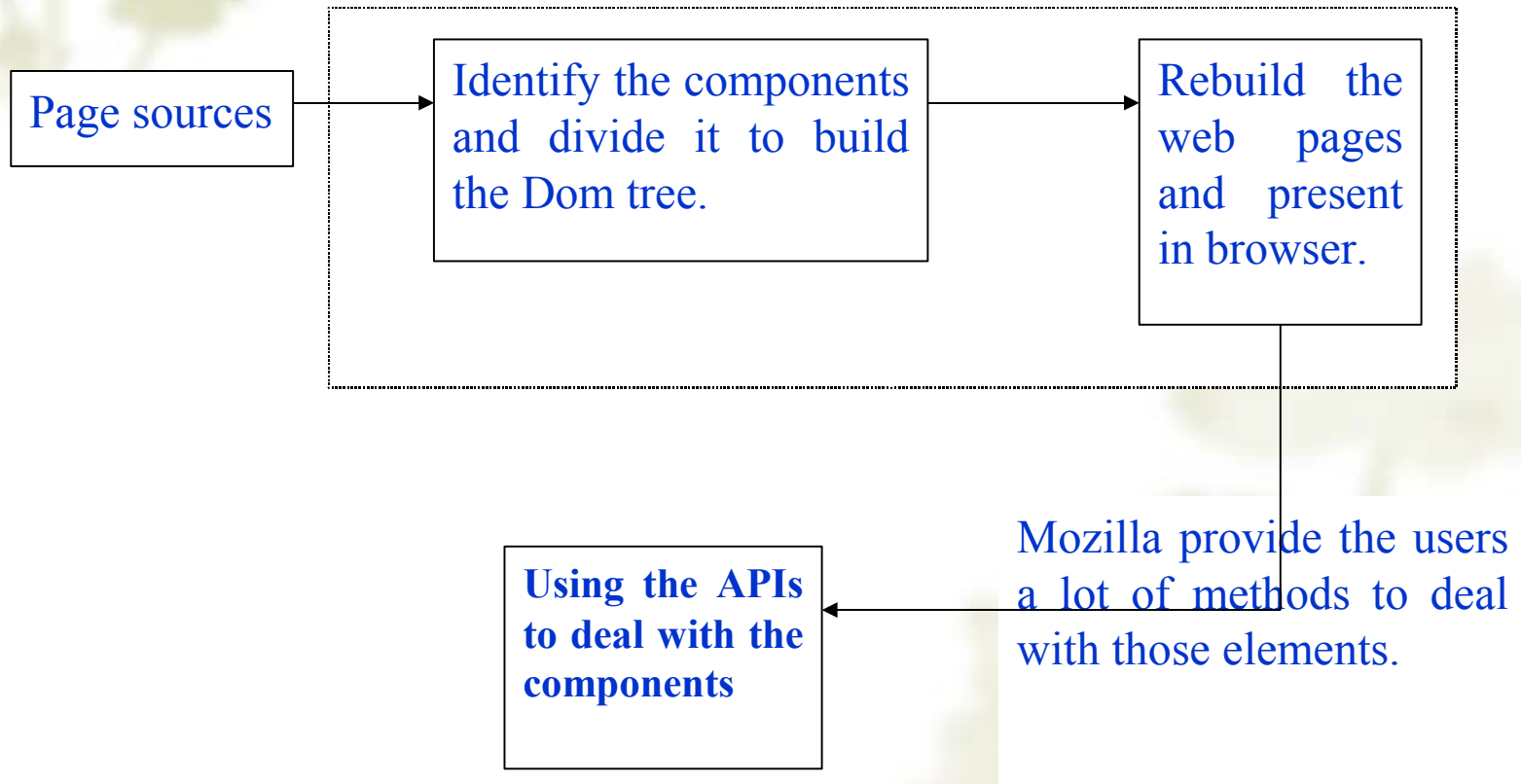
	DOM	HTML AND XML.SAX
Access elements in one time	The DOM is extremely useful for random-access applications	<ol style="list-style-type: none">1. SAX only allows you a view of one bit of the document at a time.2. If you are looking at one SAX/html element, you have no access to another.3. If you are looking at a text node, you have no access to a containing element
applications	Dom provide most of the methods for you, you can just use them and create you application.	When you write a SAX application, you need to keep track of your program's position in the document somewhere in your own code. SAX does not do it for you.

Mozilla and traditional

- ❖ Speed
- ❖ Identify in JavaScript
- ❖ Elements domain `javascript`
- ❖ Execution of JavaScript
- ❖ Relaxed

Conclusion

Mozilla





Thank for you attention!

❖ Question?