

NAME

Element_Node – Node in an HTML tree for HTML elements

SYNOPSIS

```
class element;

class Element_Node : public virtual HTML_Node {
public:
    typedef std::map< std::string, std::string > attribute_map;

    Element_Node(
        char const *name, element const&, Parent_Node* = 0
    );
    Element_Node(
        char const *name, element const &elt,
        char const *att_begin, char const *att_end,
        Parent_Node* = 0
    );
    virtual ~Element_Node();

    attribute_map    attributes;

    char    const*    name() const;

    // inherited
    Parent_Node*    parent() const;
    void            parent( Parent_Node *new_parent );
    virtual void    visit( visitor const&, int depth = 0 );
};
```

DESCRIPTION

Element_Node is-an HTML_Node for HTML element, e.g.: HEAD, TITLE, IMG, SELECT, etc.

Public Interface**Constructors**

Construct an Element_Node. The arguments are:

name The name of the HTML element. It **must** be specified in lower case.

att_begin, att_end
 Pointers to the beginning character and one past the end (in STL iterator style) whence to parse the attributes from, e.g.:

```
<IMG SRC="foo.gif" HEIGHT=30 WIDTH=200>
      |                               |
      begin                         end
```

elt A reference to the element that this node is being made for.

parent The parent node to make this node a child of, if any.

Destructor

There is nothing noteworthy about it.

attribute_map attributes

Contains key/value pairs of attribute names and their values. Attribute names are in lower case (regardless of how they are in the HTML file). Boolean attributes have their name as their value (per the HTML 4.0 specification).

```
char const* name() const
```

Returns the name of the HTML element, e.g., `title`. Names are returned in lower case (regardless of how they are in the HTML file).

SEE ALSO

HTML_Node(3), Parent_Node(3).

Dave Raggett, Arnaud Le Hors, and Ian Jacobs. “On SGML and HTML: SGML constructs used in HTML: Attributes,” *HTML 4.0 Specification, section 3.2.2*, World Wide Web Consortium, April 1998.

<http://www.w3.org/TR/PR-html40/intro/sgmltut.html#h-3.2.2>

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