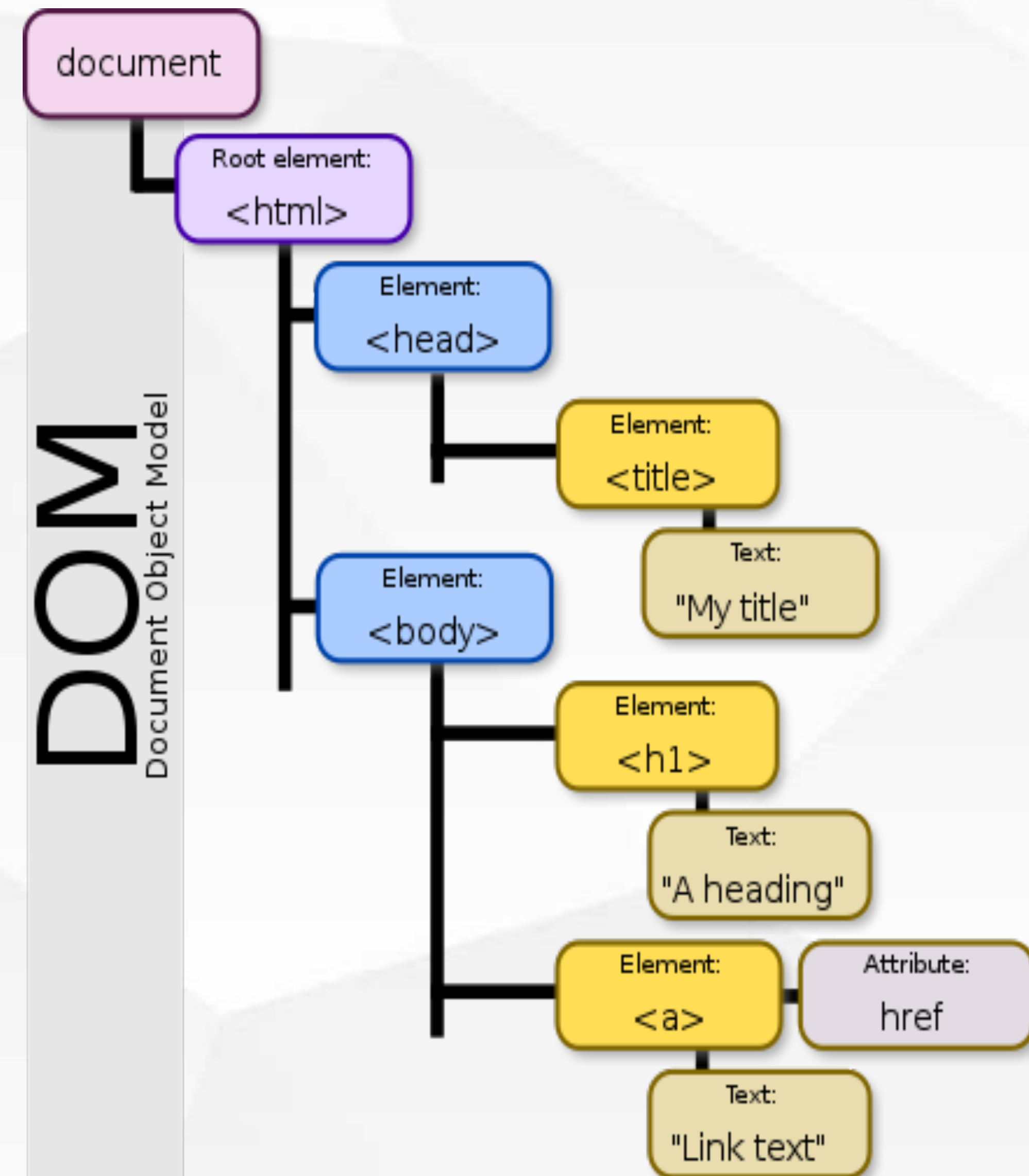# Actions when the parsing is finished
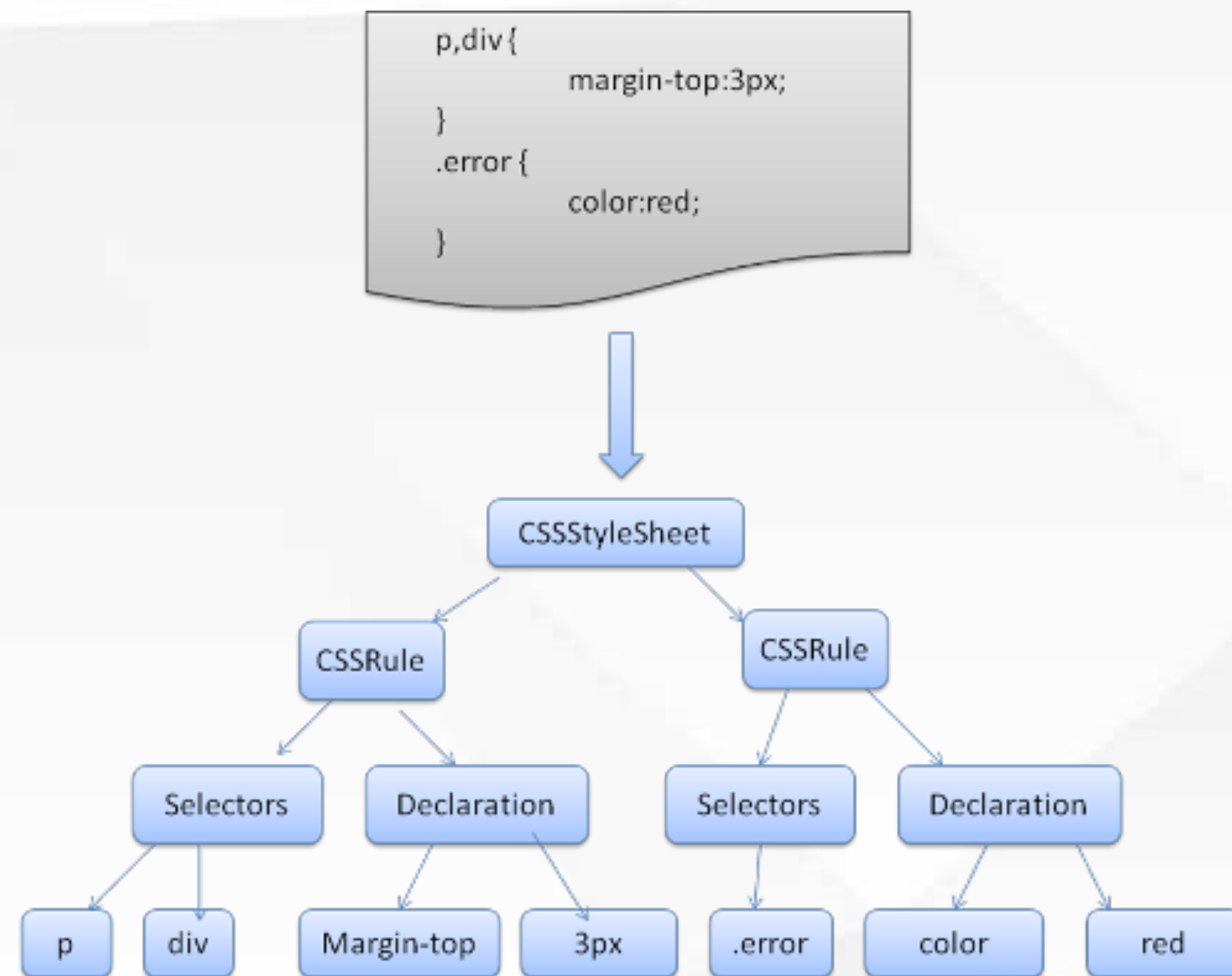
1. Actions when the parsing is finished

— At this stage the browser will mark the document as **interactive** and start parsing scripts that are in "deferred" mode: those that should be executed after the document is parsed.

— The document state will be then set to "**complete**" and a "load" event will be fired.

WHAT DOES DOM TREE LOOK LIKE?

CSS parsing

```
p,div {
        margin-top:3px;
}
.error {
        color:red;
}
```

CSSStyleSheet
├── CSSRule
│   ├── Selectors
│   │   ├── p
│   │   └── div
│   └── Declaration
│   ├── Margin-top
│   └── 3px
└── CSSRule
    ├── Selectors
    │   └── .error
    └── Declaration
        ├── color
        └── red

1. **How does CSS parser Defined?**

Unlike HTML, CSS is a context free grammar and can be parsed using the types of parsers above.

2. **WebKit CSS parser**

WebKit uses Flex and Bison parser generators to create parsers automatically from the CSS grammar files. Bison creates a bottom up shift-reduce parser.

3. **Firefox CSS parser**

Firefox uses a top down parser written manually.

4. **How does CSS be parsed?**

Each CSS file is parsed into a StyleSheet object. Each object contains CSS rules. The CSS rule objects contain selector and declaration objects and other objects corresponding to CSS grammar.