Browser detection

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Unfortunately, not all browsers are built equal. We need to determine what is available in the user’s browser. The book categorizes browsers into five categories:

1. No Javascript (user or browser decision) (10% of the web)
2. Incomplete Javascript support (< 1%)
3. Provide old-school Javascript (< 5%)
4. Some DOM support (> 85%)
5. DOM support without any bugs (0%)
Why detect the browser?

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How to detect?

- Browser sniffing

```javascript
var name = navigator.userAgent;
var isIE = name.match(/MSIE/);
var isMoz = name.match(/Mozilla/);
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  ```

- **Feature sniffing**
  
  ```javascript
  if (document.getElementById) {
    // use getElementById()
  }
  ```
Important issues

- *When?* ASAP before using the feature being tested.
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- **Which features?** All

- Non-functions need to deal with 0 values as possibilities
- Mouse position requires browser detection!
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- *Which features?* All
- *Non-functions* need to deal with 0 values as possibilities
- *Mouse position* requires browser detection!
Scrollimage example

Questions about how this works?
We’ll be doing a runner’s log/diary web application. Here are some of the features that you’ll need to provide:

- Customize the input form for each user
- Form validation
- Graphical reports on selected fields
- No submit button
- Integration with Google maps
- Share log with other runners