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# **Claire Documentation**

***Release 0.3.1***

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March 10, 2013



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Claire is a library for **property-based testing** for JavaScript applications. Just like Haskell's [QuickCheck](#) or Scala's [ScalaCheck](#), Claire works by generating random values within a given data space and verifying if the properties declared for those values hold.



# GUIDES

- **Getting Started** A lightning introduction to Claire, so you can jump straight to testing.
- **Discover Claire** A thorough tour on Claire's concepts for leeching all you can to test your code-bases better.
- **Extending Claire** Explains Claire's architecture, so you can extend Claire to support new types, combinators and test runners.
- **API Reference** A quick reference on Claire's API, including plenty of usage examples and cross-references.





# PLATFORM SUPPORT

Claire runs on all ECMAScript 5-compliant platforms without problems. It's been successfully tested in the following platforms:

For legacy, ES3 platforms, like IE's JScript, you'll have to provide support for the following methods:

- `Object.keys`
- `Object.create`
- `Object.getPrototypeOf`
- `Object.freeze` (*as an identity function*)
- `Array.prototype.indexOf`
- `Array.prototype.forEach`
- `Array.prototype.filter`
- `Array.prototype.map`
- `Array.prototype.reduce`
- `Array.prototype.some`
- `Array.prototype.every`
- `String.prototype.trim`

The nice [es5-shim](#) library should take care of handling all of those for you.



# SUPPORT

Claire uses the [Github tracker](#) for tracking bugs and new features.



# LICENCE

MIT/X11.