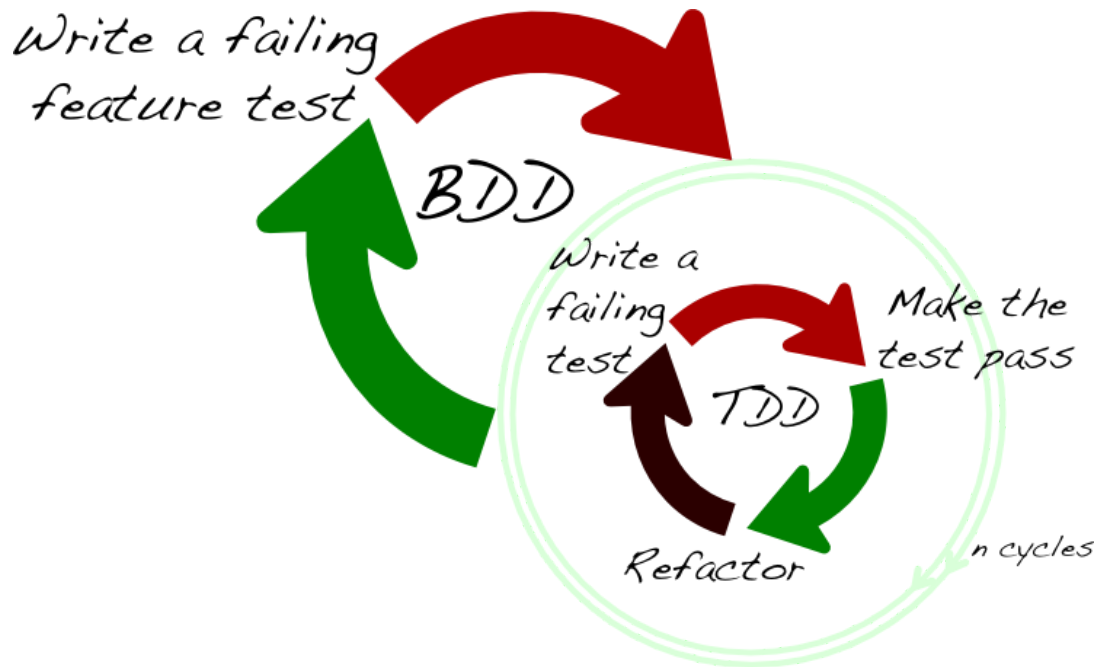# OlinData

Introduction to JavaScript Testing

0

```json
{
    "name" : "Raj Kissu",
    "work" : {
        "job"     : "Engineer / Trainer",
        "company" : "OlinData Asia"
    },
    "likes" : [
        "coding", "electronics", "eating",
        "travelling", "fitness"
    ],
    "social": {
        "email"    : "raj@olindata.com",
        "twitter"  : "@rajkissu",
        "facebook" : "http://fb.me/rajkissu"
    }
}
```

TDD vs BDD

- Test Driven Development
  - implementation aspect
  - short development cycle
- Behaviour Driven Development
  - behavioural aspect
  - involves stakeholders
  - simple sentences = better tests

Testing Lifecycle

Mocha

- JavaScript test framework
- write TDD or BDD test flavours
- supports synchronous and asynchronous tests
- runs on Node.js and the browser

```
$ npm install -g mocha
```

Chai

- assertions library
- TDD - assert style
- BDD - expect/should style
- works with Mocha
- runs on Node.js and the browser

```
$ npm install chai
```

Hands-On TDD
Collection object

- length
- indexOf()
- push()
- pop()

Hands-On BDD
Collection object

- length
- indexOf()
- push()
- pop()

Resources

- Node.js: http://www.nodejs.org
- Mocha: http://www.mochajs.org
- Chai: http://www.chaijs.com

What's Next

- Mocking and Node.js
- Testing AngularJS with Karma