UNIT TESTING: WHAT AND WHY?

➤ Proof of correctness

➤ Lack of compiler

➤ Catch errors early

➤ Prevent regressions

```javascript
module.exports = function(config) {
    config.set({

        // base path that will be used to resolve
        // all patterns (eg. files, exclude)
        basePath: '',

        // frameworks to use
        // available frameworks:
        // https://npmjs.org/browse/keyword/karma-adapter
        frameworks: ['jasmine'],

        // list of files / patterns to load in the browser
        files: listFiles(),

        // list of files to exclude
        exclude: [],

        // web server port
        port: 9876,

        // level of logging
        // possible values: config.LOG_DISABLE ||
        // config.LOG_ERROR || config.LOG_WARN ||
        // config.LOG_INFO || config.LOG_DEBUG
        logLevel: config.LOG_INFO,

        // enable / disable watching file and executing
        // tests whenever any file changes
        autoWatch: true,

        // start these browsers
        // available browser launchers:
        // https://npmjs.org/browse/keyword/karma-launcher
        browsers: ['PhantomJS'],

        // Continuous Integration mode
        // if true, Karma captures browsers,
        // runs the tests and exits
        singleRun: false
    });
};
```

INTRODUCTION TO KARMA

Karma is the test runner that makes running tests painless and amazingly fast.

Explaining the Karma Config:

➤ basePath

➤ frameworks

➤ files

➤ exclude

➤ port

➤ logLevel

➤ autoWatch

➤ browsers

➤ singleRun