

# Testing framework for Nightscout

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## Introduction

**Objective:** To develop a unit testing framework for the nightscout repository.

**Tools used:** Javascript, python

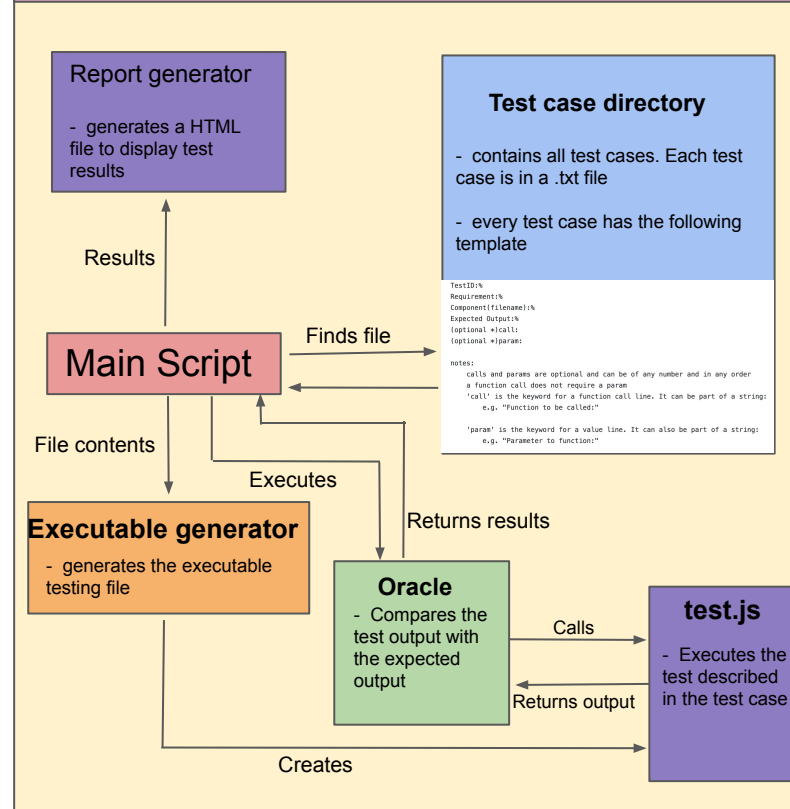
The 2-2 Testing Framework is designed utilizing `python` as the main scripting language, with `javascript` as the actual execution language

**No. of test cases:** 25

**Tested components:** `language.js`, `levels.js`, `units.js`, and `times.js`

The unit test framework is able to test any imported JavaScript file based on test cases written by the tester, and exporting a formatted html file tabulating the results. Our framework allows tests which may involve chained imports, object based calls, and an arbitrary number of arguments passed to the function. This makes for a robust and modular framework, making it more functional in a greater range of use cases.

## Testing Framework



Notable problems that we tackled

## Conclusion