# Test Plan For Weather App

## 

## Unit Testing

* We will be expecting over 80% unit test coverage from developers especially in Mobile App and Back end API
* Technology Stack

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| --- | --- |
| Component | Used Technologies |
| Back End API | Jest Framework |
| React Native Mobile App | Jest Framework |

## User Acceptance Test Appro Testach

* For Weather Mobile App , there will be a weekly demo for Supervisor and Other Users

## UI Automation

* Cover Main Navigation Automations
* Technology Stack

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| **Framework** | **Supported Platforms** | **Reference** |
| Appium Framework | IOS/ Android | <http://appium.io/> |

## API Automation

* Cover All REST API routes ( request and response )
* Used Technology

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| **Framework** | **Reference** |
| selenium | <https://www.seleniumhq.org/> |

## Test Devices and Platform

* Cover All Google Analytic trending Ios and Android Mobile apps,
* Test application for All latest Android and IOS mobile
* Use manual testing and device farms
* Test mobile app on Dice farm

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| **Purpose** | **Platform** | **Reference** |
| Device Compatibility Testing | AWS Device Farm | <https://aws.amazon.com/device-farm> |

## Test Data

* Test **Data Accuracy** in each page
* Test **Data Size** in each page
* Test **Data Variety** in each page

## API Performance Test

* Concurrent 1,000,000 users usage testing

## Test Matric

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| --- | --- | --- |
| **Test** | **Responsible** | **Target** |
| Unit testing | Developer | 80% |
| UI Test Automation | QA | All ui routes and Use cases |
| API Test Automation | QA | All REST APIs |
| Acceptance Test | Lead | Cover all user requirement |

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