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SPECFLOW HYBRID FRAMEWORK

v1.0

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**SPECFLOW HYBRID FRAMEWORK DOCUMENTATION**

# Framework Introduction

This framework is designed for testing purposes so we can test our web application and API’s easily. Mainly This Framework has more focused on Web & API’s testing but yes we can add Mobile Testing as well with just one configuration file through which we can decide the devices, browsers etc.

# Specflow Introduction

SpecFlow is a test automation solution for .NET built upon the BDD paradigm. Use SpecFlow to define, manage and automatically execute human-readable acceptance tests in .NET projects (Full Framework and .NET Core).

SpecFlow tests are written using [Gherkin](https://cucumber.io/docs/gherkin/) Language, which allows you to write test cases using natural languages. SpecFlow uses the official Gherkin parser, which supports over 70 languages. These tests are then tied to your application code using [Bindings](https://docs.specflow.org/projects/specflow/en/latest/Bindings/Bindings.html), allowing you to execute the tests using the testing framework of your choice. You can also execute your tests using SpecFlow’s dedicated test runner, SpecFlow+ Runner.

## Why Specflow

* **Step definitions** - Step definitions provide the connection between Gherkin feature specifications and application interfaces for test automation.
* **Navigation to Step definitions** - Don’t waste your time searching for the correct definition across your binding classes, just right-click and jump to the relevant code.
* **Hooks** - Hooks (event bindings) can be used to perform additional automation logic at specific times, such as any setup required before executing a scenario.
* **Context Injection** - SpecFlow supports a dependency injection framework that can instantiate and inject context for scenarios. This allows you to group the shared state in context classes, and inject them into every binding class that needs access to that shared state.

## Specflow plus Living Doc

SpecFlow+LivingDoc is a set of tools that allows you to share and collaborate on Gherkin Feature Files with stakeholders who may not be familiar with developer tools.