# Test Approach – Buggy Cars Rating

This document discusses the test approach for testing of the application “Buggy Cars Rating” (<https://buggy.justtestit.org>).

The functional testing will be done using manual and automated techniques. The manual testing will be using the exploratory method as per time constraints.

**In scope**

* Functional testing

**Out of scope**

* Non-functional testing

**Automation testing**

The automation framework will be implemented using Behavior Driven Development (BDD) approach for easier maintenance and readability.

The technologies/tools to be used:

* Visual Studio 2022
* .NET 6.0 runner
* Specflow
* Selenium 4 (with Chrome browser)
* C#
* xUnit

The functionalities covered in the automated tests are:

* Login/Logout
* Registration
* Profile update
* Voting
* Navigation

Please note that only a few test cases will be automated due to the time constraints.

**Future work**

Add configurations to a JSON file

Implement explicit wait with Selenium

Implement multiple test data to a scenario

Add more browsers to run the tests

Implement a test report

Add comments to the code for maintainability

**Pre-requisites**

1. Visual Studio IDE
2. .NET runner
3. Extension: Specflow for Visual Studio 2022

**Setup**

1. Clone the repository.
2. Open the solution in Visual Studio.
3. Run the tests using the Test Explorer tool.