How to rerun failed test cases in Cucumber

In automation, scripts might fail sometimes due to inconsistency in the application. Inconsistent test results are common as a result of an unstable environment such as network issues or Database down. A few tests may fail for no apparent reason and then rerun successfully.

Cucumber provides a rerun plugin option in a runner class which generates a file that can store information about the failed scripts.

## Modifying the runner class to capture the failed tests

@RunWith(Cucumber.**class**)

@CucumberOptions(features="src/test/java/features/",glue={"stepDefinations"}, plugin = {"rerun:target/failedrerun.txt"})

**public** **class** TestRunner {

}

## Adding a separate runner to run the failed test

@RunWith(Cucumber.**class**)

@CucumberOptions(tags = "", features = {"@target/failedrerun.txt"}, glue = {"stepDefinations"},plugin = {})

**public** **class** FailedTestRunner {

}

# Modifying the TestNG.xml file to rerun the failed script the second time

<suite name="Our Suite" verbose="1" >

<test name="App test on Chrome">

<classes>

<class name="com.app.runner.TestRunner" />

</classes>

</test>

<test name="Rerun failed app tests">

<classes>

<class name="com.app.runner.FailedRun" />

</classes>

</test>

</suite>