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Use of XML in Test Automation Framework :

In test automation, a hybrid framework typically combines different automation frameworks, such as data-driven, keyword-driven, and modular-driven frameworks, to leverage their strengths and address various testing requirements. XML (Extensible Markup Language) can be used in a hybrid framework for test automation in many ways:

Test Configuration Management: XML files can be used to store test configurations, including environment settings, browser configurations, and other parameters. This helps in making the framework flexible and easily configurable without modifying the code.

Example :

```
<configuration>

  <environment>Testing</environment>

  <browser>chrome</browser>

  <url>https://www.samplewebapp.com</url>

</configuration>
```

Test Data Management : XML can be used to store test data in a structured format. This is particularly useful for data-driven testing, where different sets of input data need to be used for the same test scenario.

Example :

```
<testdata>

  <testcase id="TC001">

    <username>userone</username>

    <password>passone</password>

  </testcase>

  <testcase id="TC002">
```

```
<username>usertwo</username>
```

```
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```

```
<password>passtwo</password>
```

```
</testcase>
```

```
</testdata>
```

Object Repository Management:

Locators and Identifiers: XML can be employed to store locators and identifiers for web elements in an object repository. This provides a centralized location for managing these details, making it easier to update and maintain.

Example :

```
<objects>
```

```
<login>
```

```
<username>XPath=//input[@id='username']</username>
```

```
<password>XPath=//input[@id='password']</password>
```

```
<loginButton>XPath=//button[@id='loginBtn']</loginButton>
```

```
</login>
```

```
</objects>
```

Test Execution Management:

Test Suite Definition: XML can be used to define test suites and their execution sequence. This helps in orchestrating the execution of different test cases and scenarios.

Example :

```
<testsuite>
```

```
<testcase>RegistrationTest_001</testcase>
```

```
<testcase>LoginTest_002</testcase>
```

```
</testsuite>
```

