

NAME : IHSAN ULLAH

I.D : 6948

DEPART : B.S (S.E)

SEMESTAR : 6

SUBJECT : Software Verification and  
Validation

# Pros of test studio:

- Test studio is very user friendly and easy to learn.
- Good language support test studio doesn't require you to write code in a lot of scenarios. However if you do need to its supports C# and VB.NET.
- Team collaboration, tester can design and maintain tests and pass them to developers through source control to assist with more complex, edge-case scenarios.

- Test studio comes with rich support for data-driven testing. All recorded test steps have data-related properties that allow you to bind them to a data source. Test studio supports various data sources:

Excel, CSV, XML, and Data base. In addition, it has built-in data grid that allows you to quickly create your own data source right inside your test without having to revert to external sources.

## Cons of Test Studio:

- Test Studio is stand alone and if you need to use VS plugin you need an extra VS professional or higher license.
- You can convert all your steps to code, but can't revert them back.
- It doesn't support android app testing (in desktop only WPF is supported)
- For customized reports' if required you need to write code.
- It's not free tool and costly too.
- Need powerful computer to run all capabilities.

# Functionality of Test Studio:

- Create functional automated tests using the recorder.
- Add logic to the recorded tests.
- Customize tests in code.
- Produce keyword tests.
- Export, create and run manual lists.
- Create and execute test lists.
- Gather performance test metrics.
- Carry out performance and load testing while collecting necessary matrices.
- Insert proper verification, and wait and log steps.

## c) Supporting languages

supporting language of test studio includes the following

- HTML
- AJAX
- Silverlight
- ASP.NET
- MVC
- JavaScript
- WPF

Test Studio supports test execution in Internet Explorer, Firefox, Safari and Chrome

## D) Supporting test of Testing Studio:

### 1. Test studio functional

Testing is a comprehensive yet cost-effective automated testing suite.

Test studio also offers script list test automation for silver-light applications.

### 2. Test studio load test allow

users to capture quickly capture, multiply and replay complex web traffic. Fine-tune your load scenario with data binding, user authentication, and dynamic targets.

3. **Test studio mobile** is an intuitive and easy to use test automation solution for mobile application testing. Test against any number of real devices as you wish or through an emulator by connecting through Wi-Fi.
4. **Test studio for APIs** helps costumers verify the integrity and reliability of their APIs in an easy way and in corporate their API testing efforts in their continuous testing and delivery process. As well as deliver responses in an acceptable amount of time.



# Code of Test Studio:

```
<DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>My first heading</h1>
```

```
<p>My first paragraph</p>
```

```
</body>
```

```
</html>
```

# Bug in Test Studio:

```
<DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>My First Heading</h1>
```

My first paragraph.

```
</body>
```

```
</html>
```





