

Test Management Using TFS

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Document History

Version No.	Authored/ Modified by	Remarks/ Change History	Date <dd- mon-yy >
1.0	Sonam Raj		

Course Structure

Target audience	Fresher
Level	L1
Pre-requisites	
Training methods	
Evaluation	

Agenda slide template

SDLC

STLC

Testing in
an
Iteration

Microsoft
Testing
Capabilities

Test
Hierarchy

Creating
Test Plan

Agenda slide template

Running
Manual
Tests

Relationship
between
work items

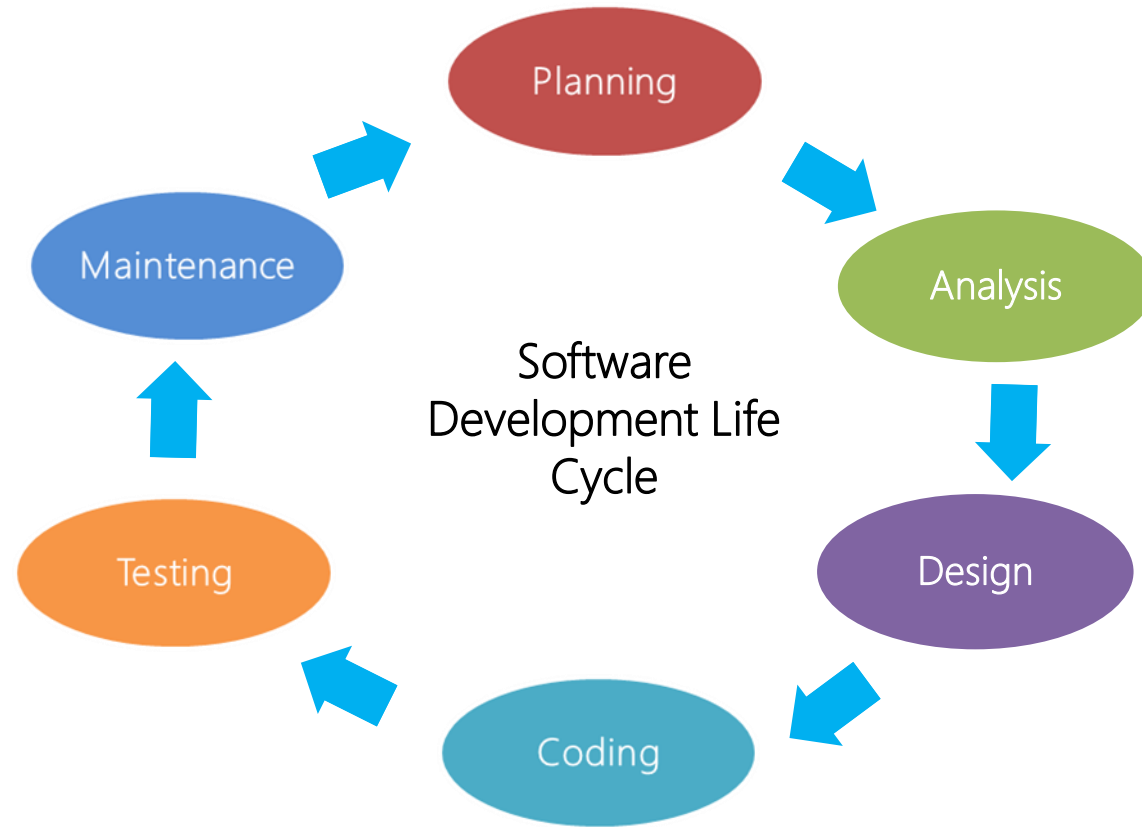
Web based
release
management

Running Manual
Tests

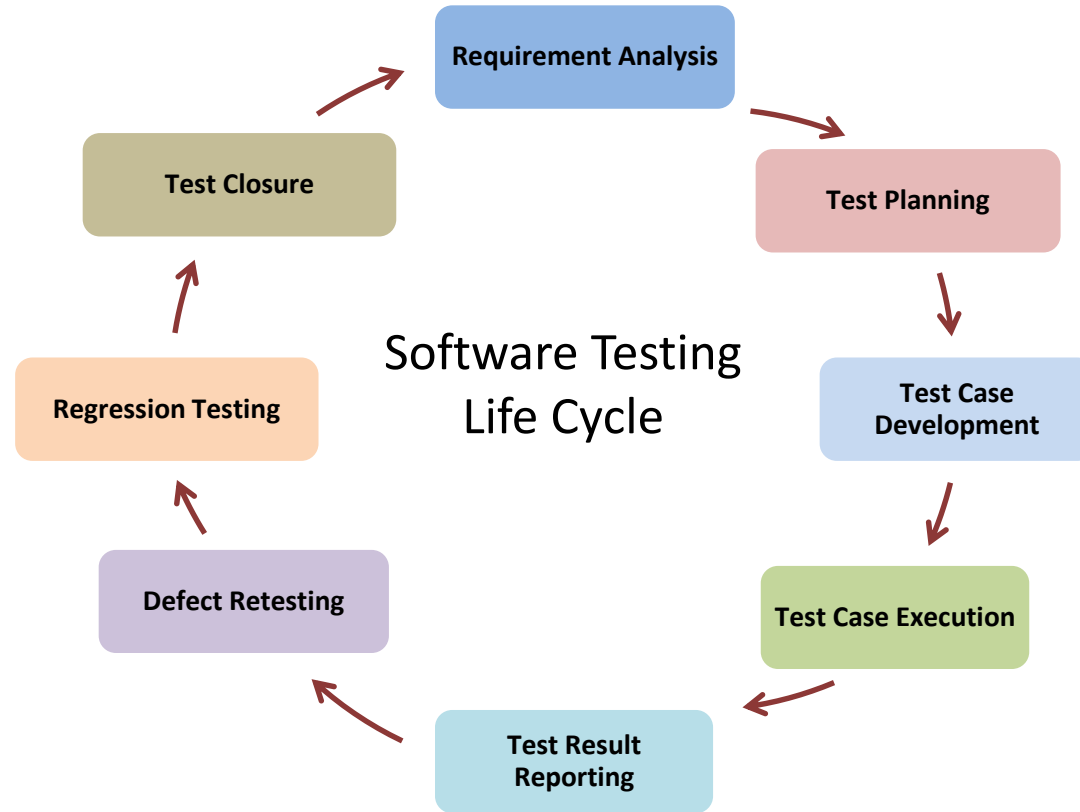
Summary

Quiz

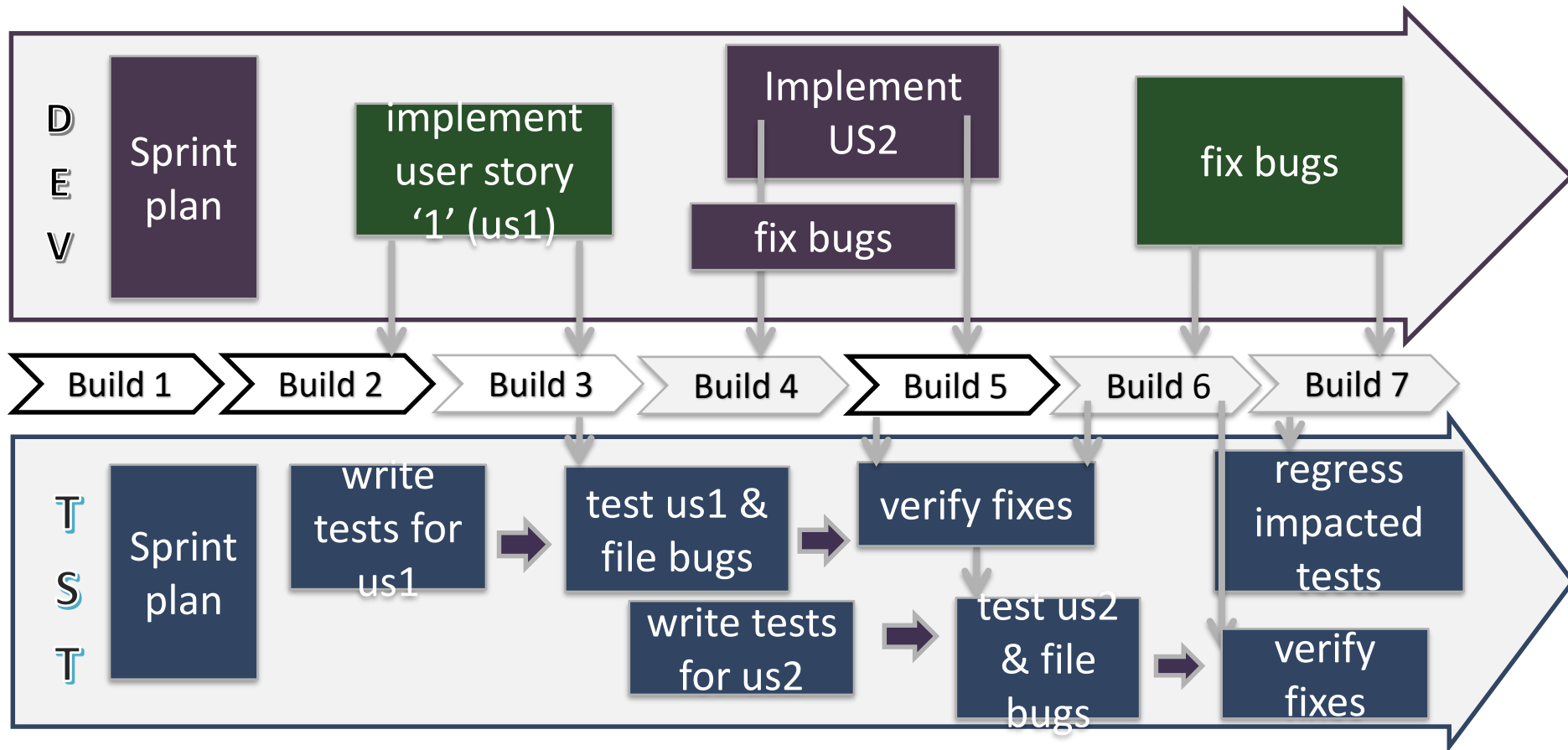
SDLC



STLC



Testing in an Iteration



Capabilities

- **Provides all the capabilities required for :**
 - a. **Planned manual testing**
 - b. **User acceptance testing**
 - c. **Exploratory testing**
 - d. **Run automated tests**

Key benefits

- **Test on any platform.**
- **Rich Diagnostic data collection.**
- **End to End Traceability.**

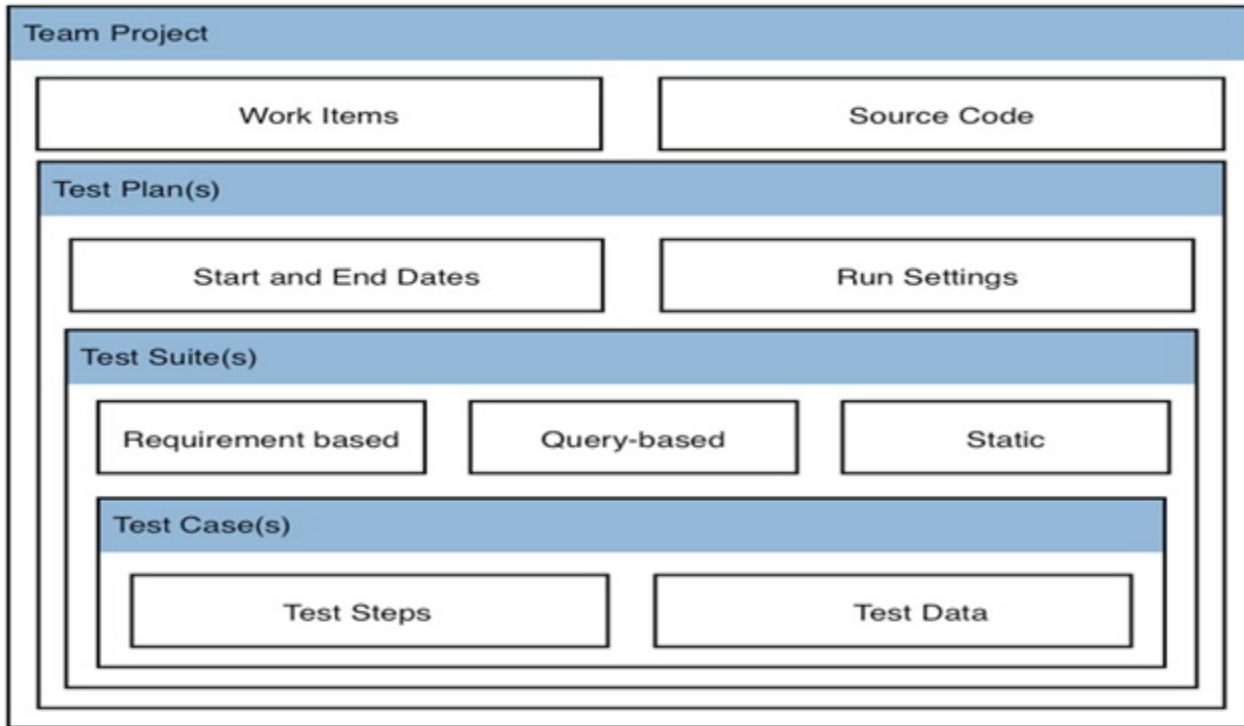
License requirements

To use all the features described, you must have one of the following subscriptions:

- **Enterprise**
- **Test Professional**
- **MSDN Platforms**

Or, configure **Basic + Test Plans** access level.

Test Hierarchy



Test Hierarchy

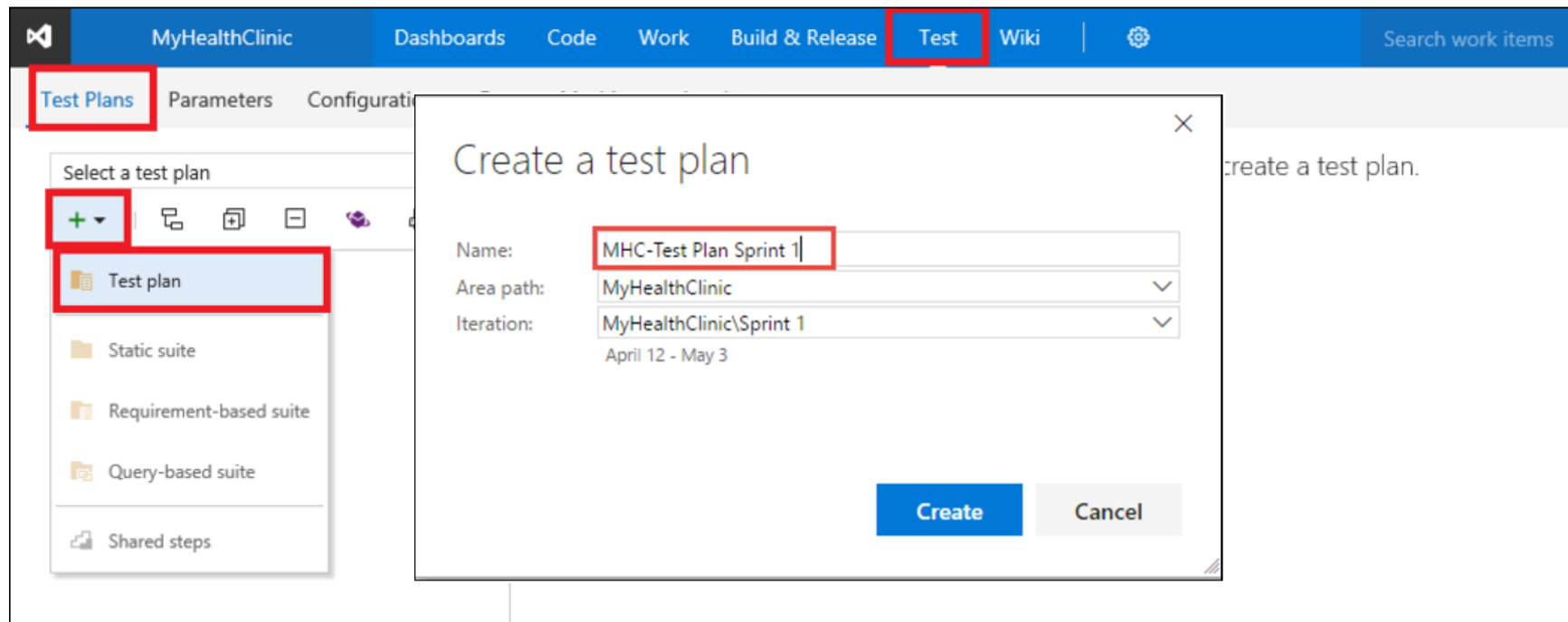
The screenshot displays the Cybage Test Suite interface. At the top, a blue navigation bar contains the following items: a home icon, 'Contoso Hospitality' with a dropdown arrow, 'Dashboards', 'Code', 'Work', 'Build & Release', 'Test' (highlighted), 'Wiki*', and a settings gear icon. Below this, a secondary navigation bar includes 'Test Plans' (underlined), 'Parameters', 'Configurations', 'Runs', 'Machines', 'Load test', and 'Test Cases'.

The main content area is divided into two panels. The left panel shows a dropdown menu for 'Carolina: Execution Plan_AplhaCarolina (Id: 274)'. It has tabs for 'Favorites' and 'All'. A search box labeled 'Filter Test Plans' is present. Below it, two items are listed: 'Kansas: MaterTest Plan (Id: 272)' and 'Carolina: Execution Plan_AplhaCarolina (Id: 274)'. The right panel shows a 'Test suite: 210 : Research on Solution (S' with tabs for 'Tests' and 'Charts'. It includes a '+ New' button, an 'Add existing' button, and a table of test results.

Outcome	Order	ID ↑	Title
Failed	1	412	Investigate h
Passed	3	415	Code review

At the bottom of the interface, there are two sections: 'Test Steps' and 'Test Data', each with a diagram showing nested rectangles representing a hierarchy.

Creating Test Plan



Creating Test suites

CREATE REQUIREMENT-BASED SUITES

Type of query: Flat list of work items

Query across projects: ☐

Filters for top level work items

	And/Or	Field	Operator	Value
+ X		Work Item Type	In Group	Microsoft.RequirementCategory
+ X	And	Area Path	Under	MyHealthClinic
+ X	And	Iteration Path	=	MyHealthClinic\Sprint 1

+ Add new clause

ID	Work Item ...	Title	Priority	Assigned To	Area Path
6252	Product B...	Appointment detail info	2	craig109@outlook...	MyHealthClinic
6253	Product B...	Patient Personal Information	2	nmunger109@outl...	MyHealthClinic
6261	Product B...	My medical appointments	2	ckelly109@outlook...	MyHealthClinic
6280	Product B...	Create new appointment	1	Sachin Raj	MyHealthClinic
6281	Product B...	Countdown to the next pill	1	Isteel109@outlook...	MyHealthClinic

5 work items (1 selected)

Create suites Cancel

Add Test cases to Test suites

NEW TEST CASE *

Details of selected appointment

Sachin Raj 0 Add tag Save & Close

State Design Area MyHealthClinic Reason New Iteration MyHealthClinic\Sprint 1

Steps

Action	Expected result	Attachments
1. Open a browser and navigate to the home page	Home page is displayed	
2. Select the Appointments button from the left navigation menu	Appointments listing displayed	
3. Select an appointment and click the details button next to it	Details of the selected appointment displayed	

Click or type here to add a step

Development

+ Add link
Development hasn't started on this item.

Related Work

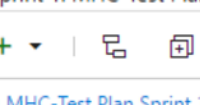
+ Add link
There are no links in this group.

Details

Priority: 2
Automation status: Not Automated

Discussion

Add a comment. Use # to link a work item or @ to mention a person



Sprint 1: MHC-Test Plan Sprint 1 (Id: 634...)

6252 : Appointment detail info (1)

6253 : Patient Personal Information

6261 : My medical appointments

6280 : Create new appointment

6281 : Countdown to the next pill

Test suite: 6252 : Appointment detail info (Suite ID: 6357) Showing 0 of 1 test cases

[Tests](#) [Charts](#) [View Grid](#)

ID	Title	Step Action	Step Expected Result
	Appointments on Dashboard Page		
		Navigate to the main page	Home page should be displayed
		Click on ""Private area""	Login screen displayed
		Enter Username	
		Enter Password	
		Select Login button	dashboard screen displayed
	Create New Appointment		
		Navigate to the main page	Home page should be displayed
		Click on ""Private area""	Login screen displayed
		Enter Username	
		Enter Password	
		Click on Login button	dashboard screen displayed
		Select Appointments	Appointments main screen displayed

Test case Execution

Test suite: 6252 : Appointment detail info (Suite ID: 6357)

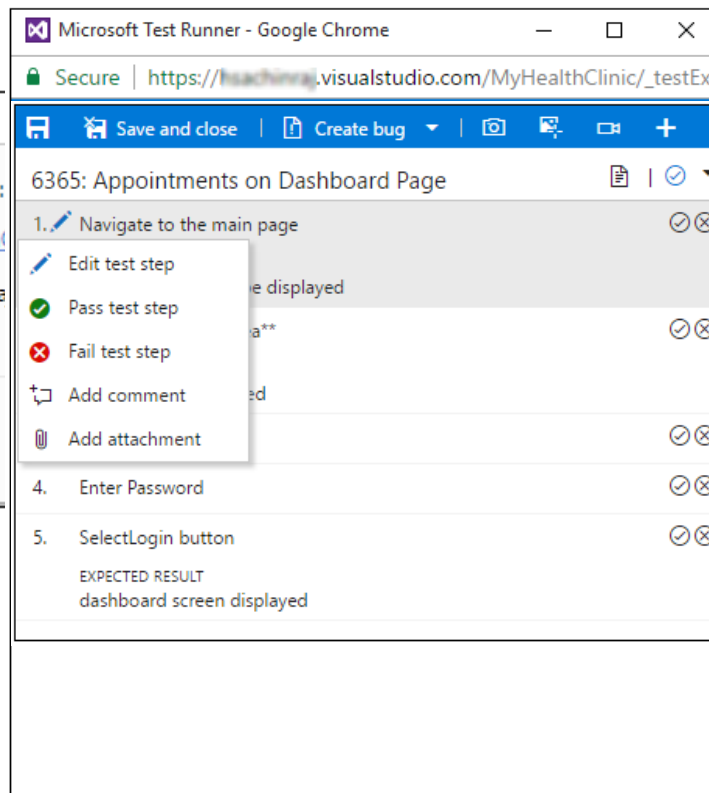
Tests Charts

+ New Add existing X [Icon] [Icon] [Icon] Run [Icon] [Icon] [Icon] [Icon] [Icon]

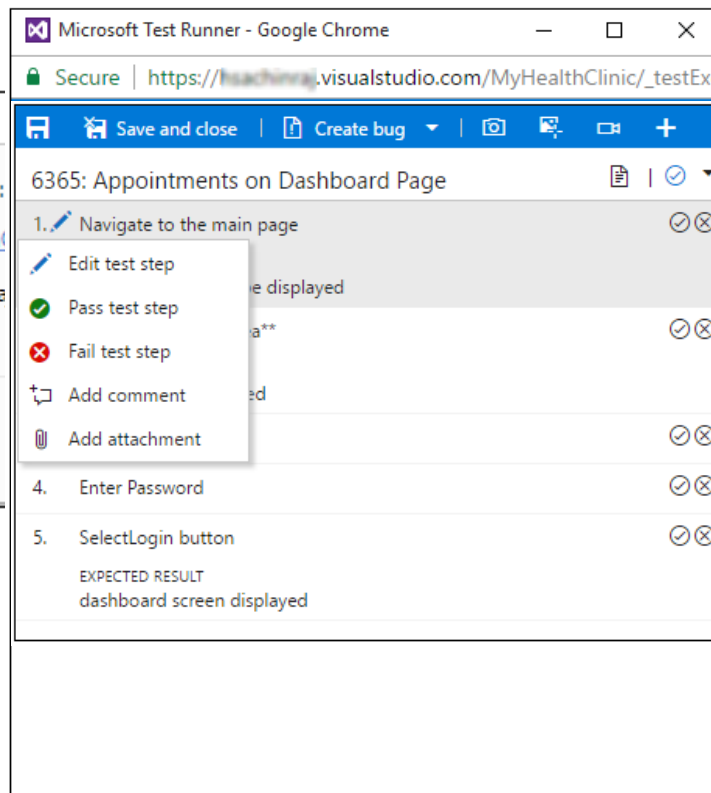
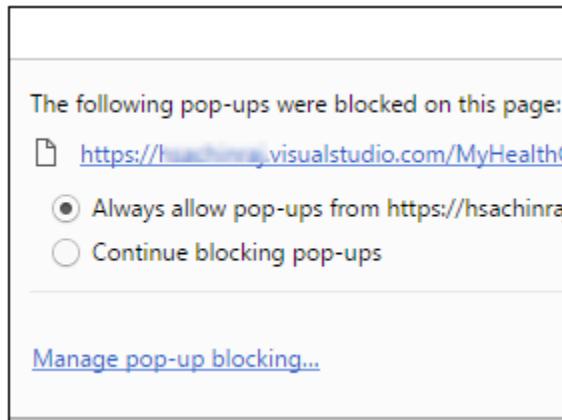
Outcome	Order	ID ↑	Title
Active	1	6362	Details of selected appointment
Active	2	6365	Appointments on
Active	3	6366	Create New Appoi

- Assign tester
- Assign configurations
- Open test case
- Remove test case from this suite
- Run test
- Run with options
- Resume test
- Edit selected test cases...
- Edit selected test cases in grid...
- Reset test to active
- Pass test
- Fail test
- Block test
- Not applicable
- Do exploratory testing

Web based Test Runner



Web based Test Runner



Shared Steps

TEST CASE 6366

6366 Create New Appointment

Sachin Raj

State: Design

Reason: New

Steps

1. Navigate to the main page
2. Click on "Private area"
3. Enter Username
4. Enter Password
5. Click on Login button
6. Insert step

Insert shared steps

Create shared steps

Move current step up

Move current step down

Delete step

Add attachment

INSERT SHARED STEPS

Query across projects ☐

Field: Work Item Type Operator: In Group Value: Microsoft.SharedStepCategory

+ Add new clause

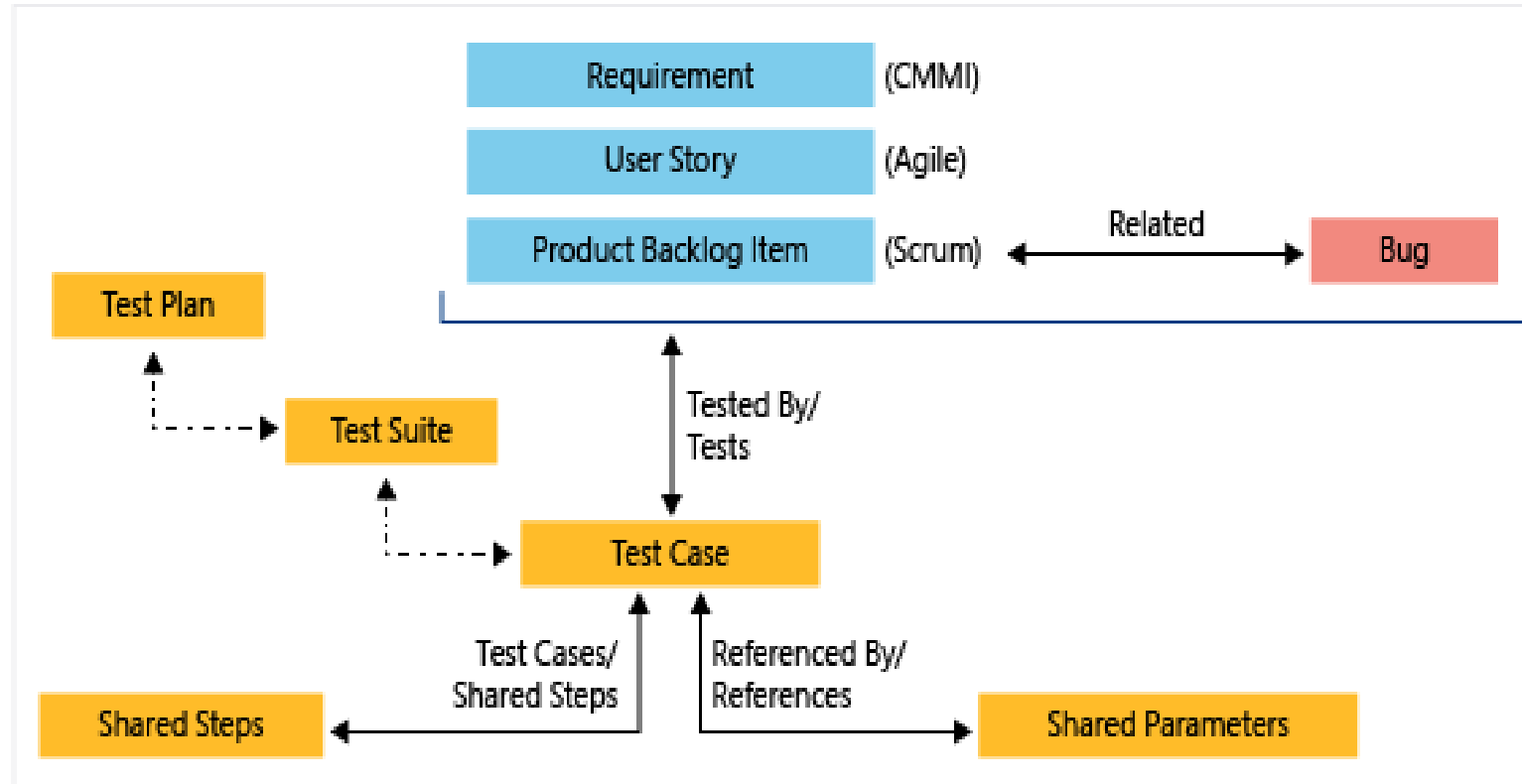
Run

ID	Work Item ...	Title	Priority	Assigned To
6367	Shared St...	MHC Login	2	Sachin Raj

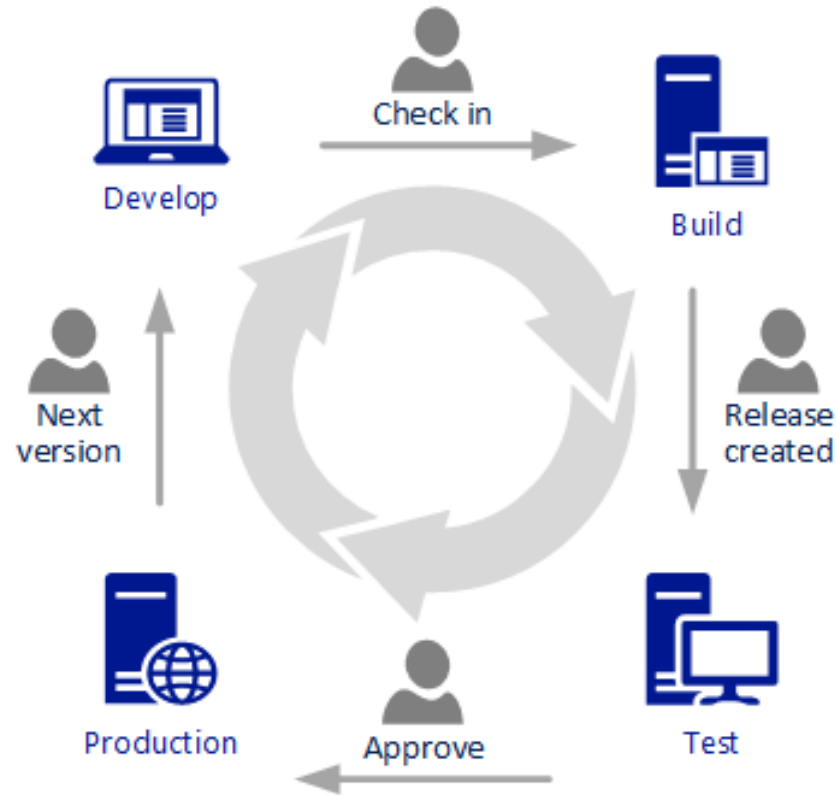
1 work items (1 selected)

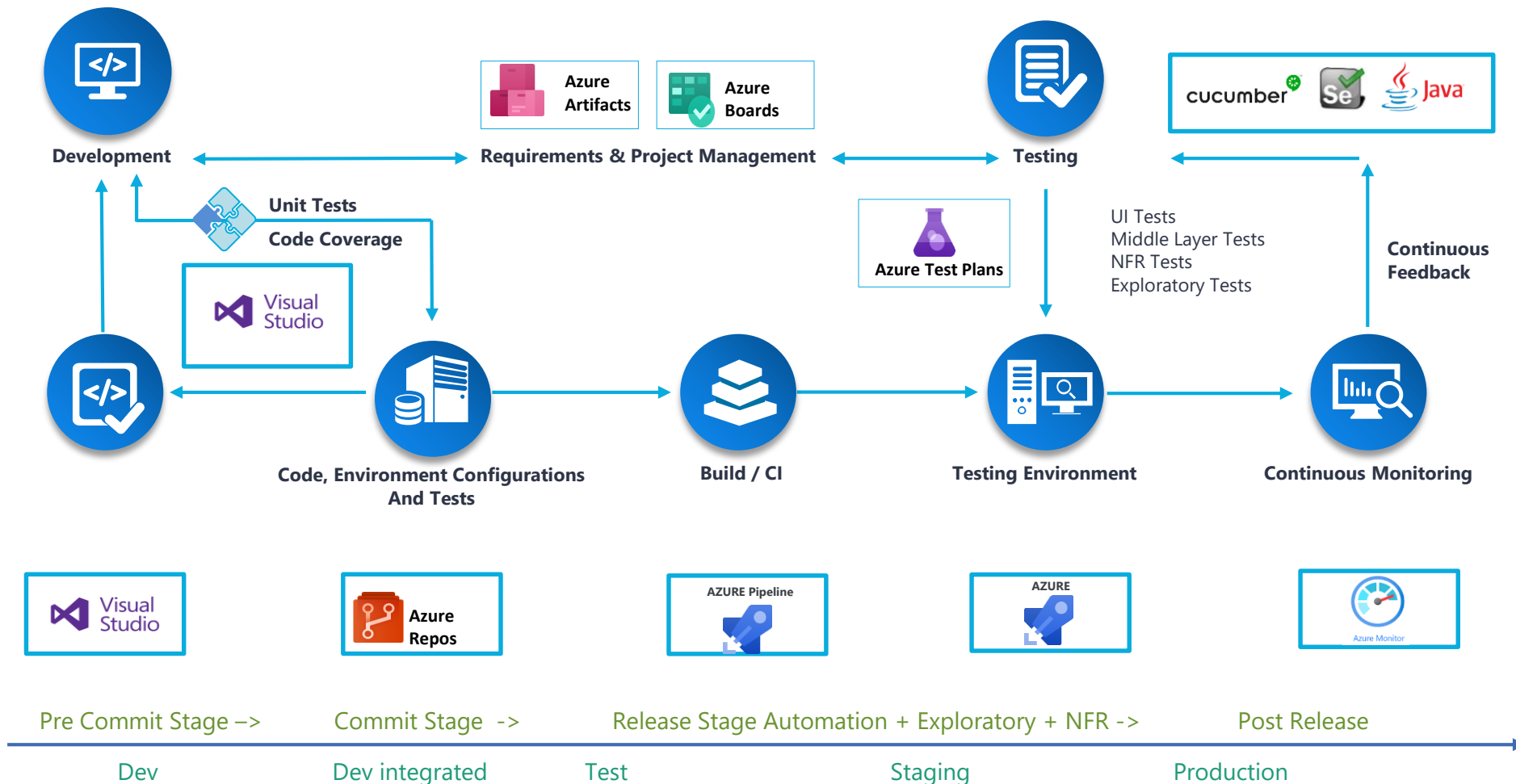
Insert shared steps Cancel

Relationship between WI



Web based release Management

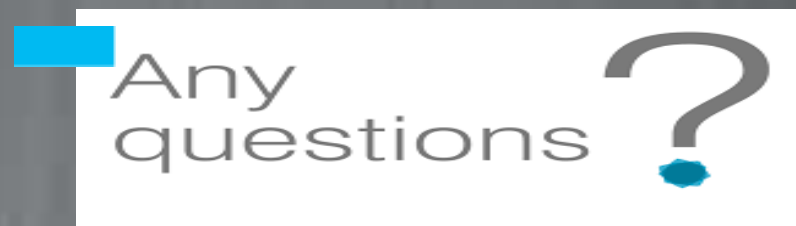




Summary

- TFS Overview
- Connect TFS and choose Team project
- Create Test Plan
- Organize Test cases in Test suites
- Create a Requirement-based Suite

- Create and Modify test cases
- Running Manual Tests
- Create and Manage bugs
- Searching Work Items in TFS



Any
questions ?

Thank You!