



Jira Software

JIRA

Visual Work Flow - Project Management and Defect Management

JIRA is a tool developed by Australian Company Atlassian. It is used for bug tracking, issue tracking, and project management. The name "JIRA" is actually inherited from the Japanese word "Gojira" which means "Godzilla".

The basic use of this tool is to
track issue and bugs related to your software and Mobile apps.
It is also used for project management.

The JIRA dashboard consists of many useful functions and features which make handling of issues easy.

What is Jira

- Product Management tool
 - Track Project Work status.
 - Track Bugs and issues.
 - Team work and time tracking
 - etc...

Why need jira

- Help you to get job.
- One-stop solution for project management.
- No need to make excel or other documents.
- Project work and bugs can manage easily.
- Team can communicate over the project.
- Multipla project can handle.
- Charts and graphs will help the project progress.

Who Should learn jira

- Software developers
- QA(testing team)
- Business developers
- Product Owner
- Team manager and managment

- How to make a project in jira
- Practical use of Jira
- how to make
 - Epic
 - story
 - bug
 - task
- Project setting

- Project dashboard
- Sprint
- Agile
- Scrum
- Search items(bug,story etc)
- What is sprint grooming
- etc



Jira Software



PLAN



COLLABORATE



EXECUTE



DOCUMENT



EVALUATE

Jira is an extensible platform that can be customised to suit your business needs. It lets you assign, prioritize, track report and audit your 'issues', from software bugs and tickets to project tasks and change requests.



TO DO



IN PROGRESS



TESTING



DONE

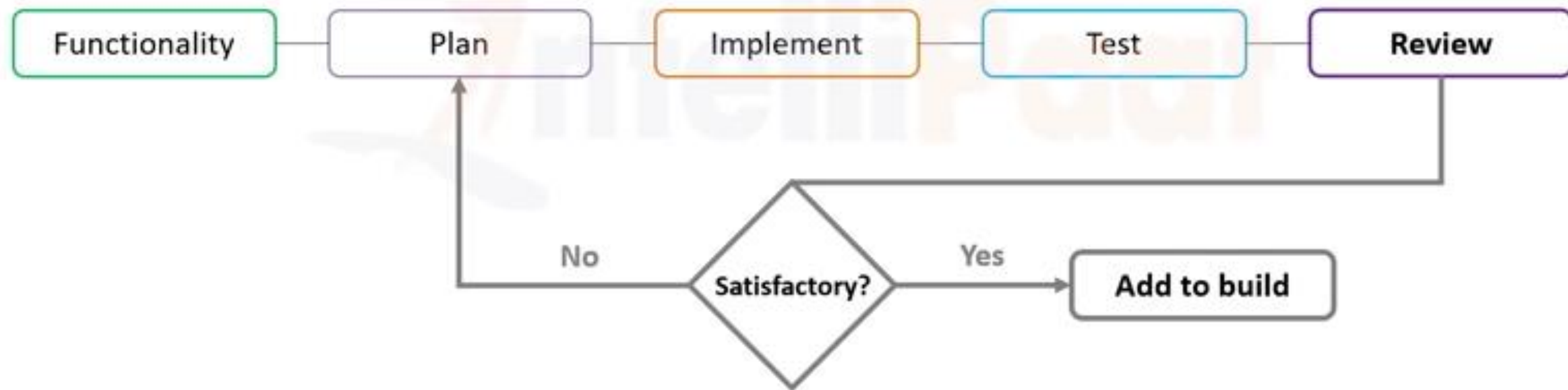
TASK 1

TASK 2

The Agile Process



Agile is a time boxed, iterative approach to software development, to deliver the product incrementally, instead of all at once



Agile Terminologies used in Jira

What are we trying to achieve?

What is required to achieve the EPIC?

Tasks required to fulfil those requirements



EPIC

Story

Task

SOFTWARE REQUIREMENT BREAKDOWN STRUCTURE

End Goal or Objective

Initiative

Large bodies of work which
can be further broken down
into User stories

Epic

Epic

Small detailed requirements

User
Story

User
Story

User
Story

User
Story

user story format – “As a [user type], I want to [action]
so that [benefit].”

Building User Stories

Examples of Value/Benefit

- As a shareholder, I want to sell 50 shares of stock so that I can get the money in my account.
- As a webmaster, I want to count how many people visit my site every day so that my sponsors will know the popularity of my site.
- The value is specific, but we may not know what happens after, nor the larger objective.

Months

Use Cases /
User Features

Weeks

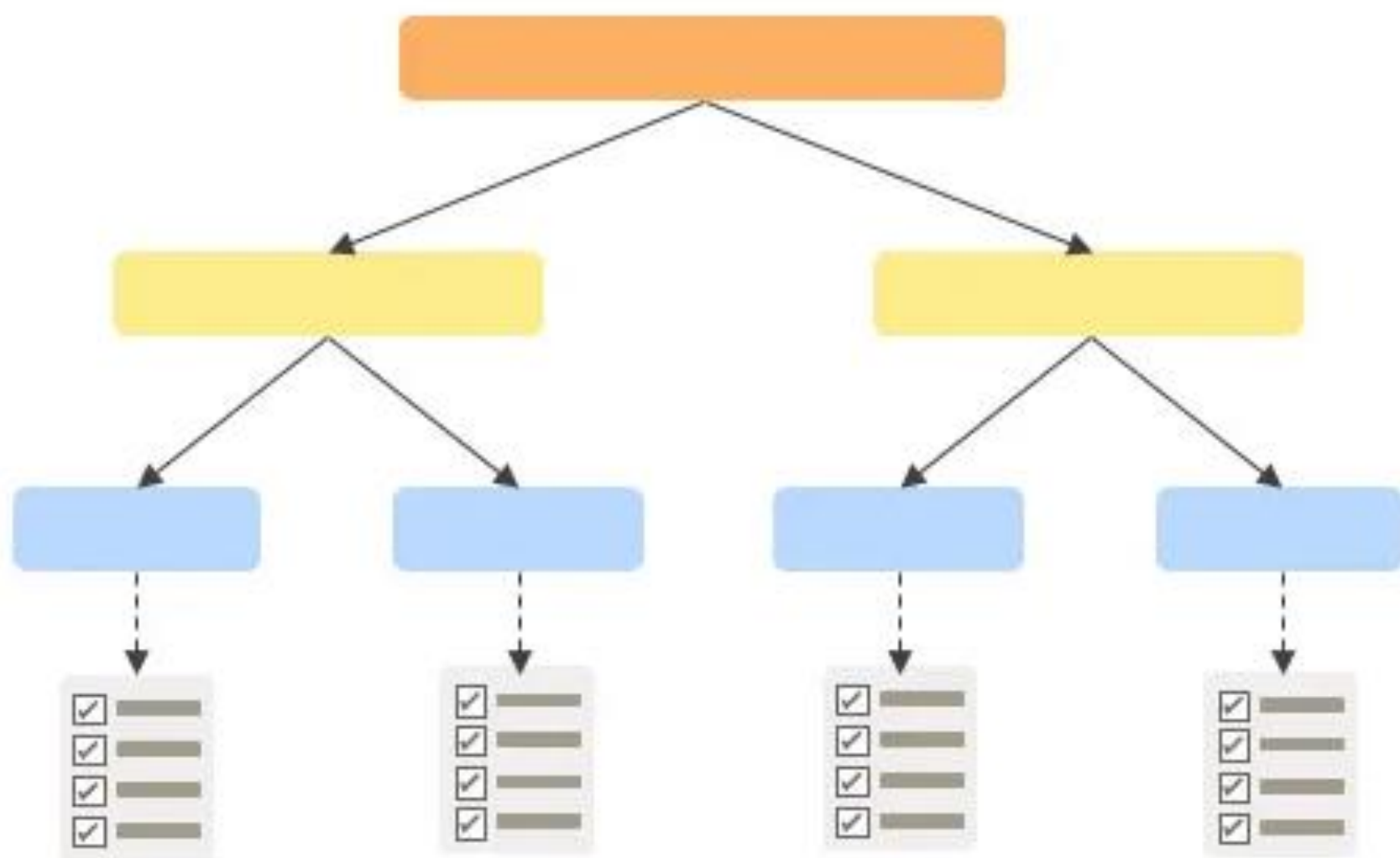
Epics

Days

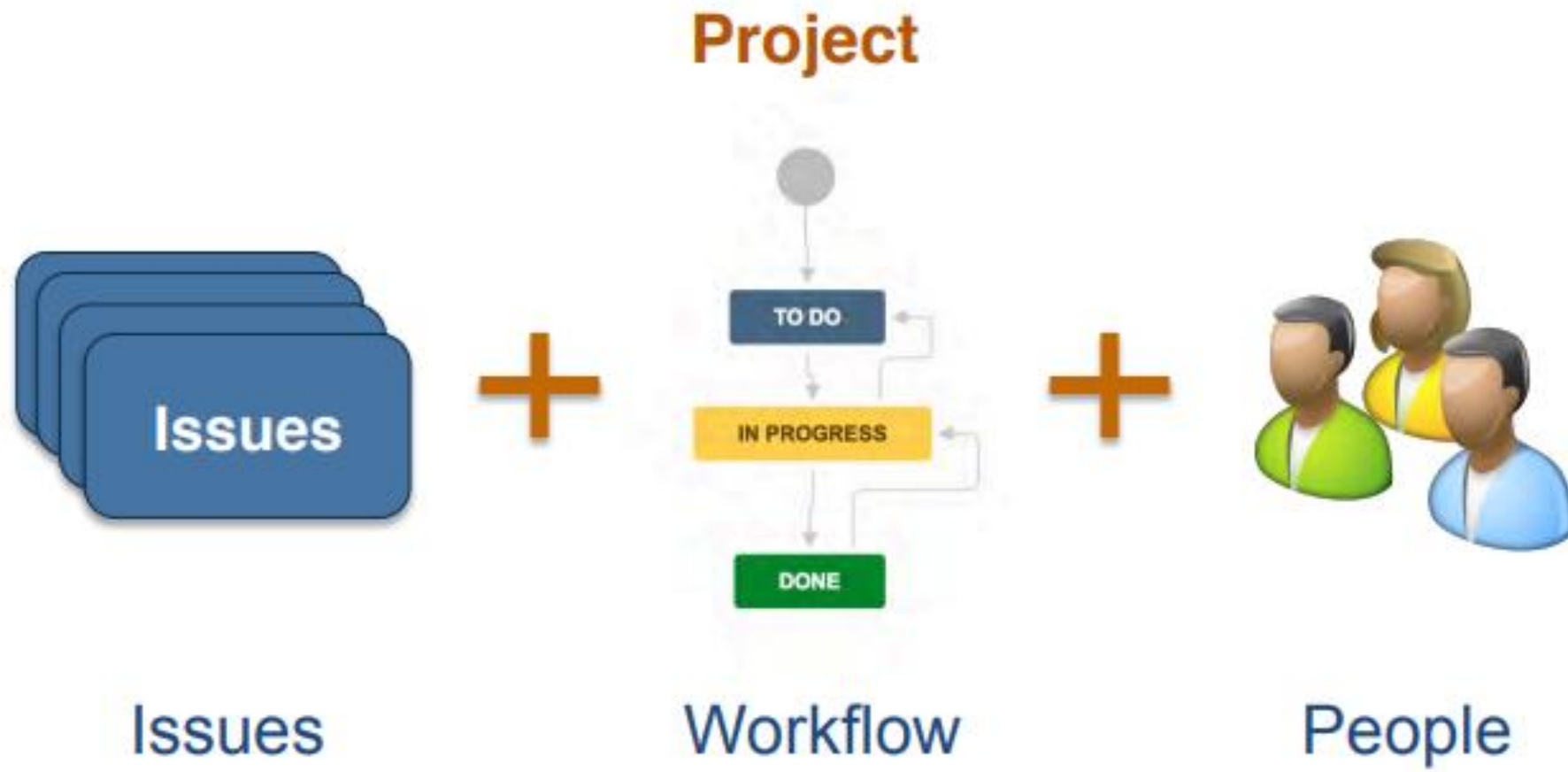
User Stories

Hours

Tasks



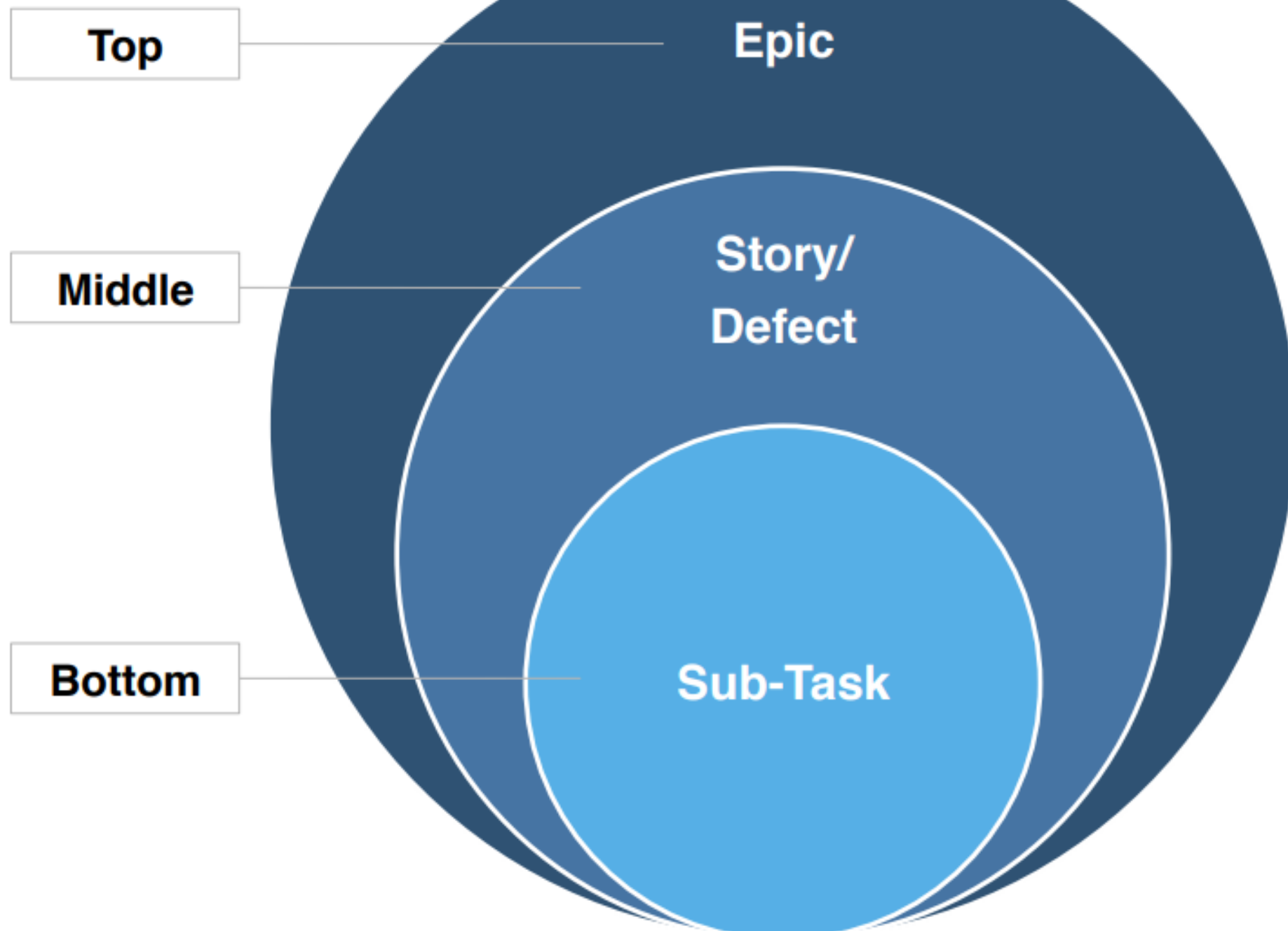
JIRA Projects



What is an Issue

- Issues are the JIRA term for a requirements
 - Story
 - Defect
 - Improvement
 - Request
 - Epic
 - Task
 - Almost anything we want!
- These are the basic elements of JIRA and they follow a predefined hierarchy
- Each Issue has specific fields that hold it's details and attributes

Issue Type Hierarchy



Hierarchy	Issue Type	Description
Top	Epic	A large body of work that can be broken down into many Stories
Middle	Story	A requirement written in a few sentences, the most used Issue Type
Middle	Defect	An unplanned Issue related to improperly working software or systems written in a few sentences
Bottom	Sub-Task	A unit of work contained in a Story, called a Task in Scrum

Agile Scrum Roles



Product Owner

- Understands the requirement of the customer
- Great vision for the final product
- Balances the need of other stakeholders
- Maintains the product backlog
- Release management



Scrum Master

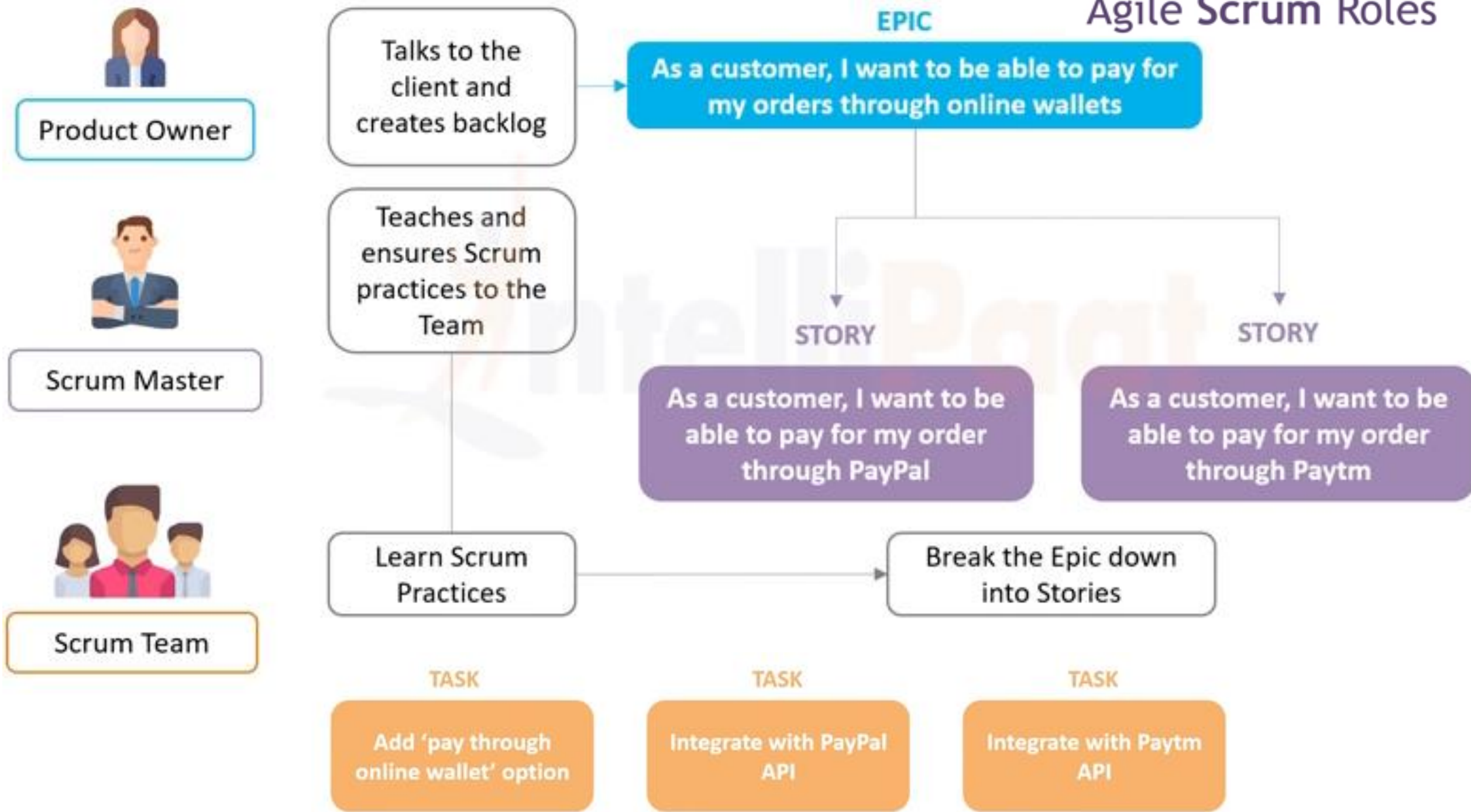
- Responsible for gluing everything together
- Sometimes act as intermediary between the product owner and dev team
- Helps in planning and breaking down work
- Manages backlog, ensures completion
- Ensures transparency



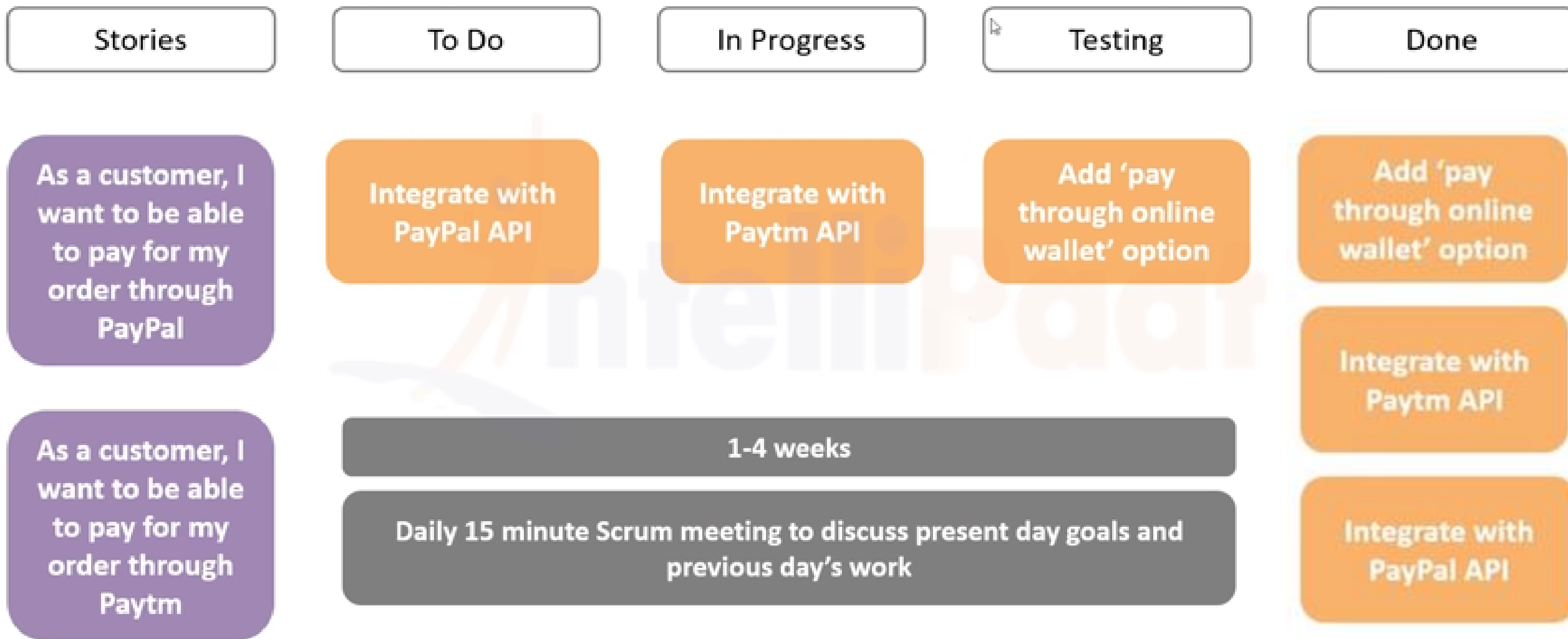
Scrum Team

- Consists of Software Developers & Quality Assurance
- Break down the work into subtasks
- Deal with the planning, implementation, testing and preliminary reviewing of goals
- Ensure timely delivery, with quality assurance
- Communicate their progress with the Scrum master

Agile Scrum Roles



Scrum Sprint Activities



Jira is an all-in-one solution for multiple software and team related use cases



Creating Backlogs

Creating Sprints

Creating Tasks

Updating status on the board

Managing releases

Code integration

Managing workflows



Let's get started

Give your site a name

Choose something familiar like your team or company



Continue



Great projects need great teams

Add your teammates to plan, track, and release great software together.

Invite your team

☐ Let anyone invite other people to join your Jira site

Skip

Next

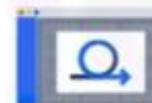
Create project

Name

Key



Template



Scrum

Manage stories, tasks, and workflows for a scrum team. For teams that deliver work on a regular schedule.

Change template



Epic

Story

Story

Story

Story

Story

Story

Task

Task

Task

Task

Task

Sub-task

Sub-task

Bug

Sub-task

Bug

Bug

EPIC

As a customer, I want to be able to pay for my orders through online

Story_1:

As a Customer , I want to be able to pay for my order through GPay

Story_2:

As a Customer , I want to be able to pay for my order through PayTM

Task_1:

Add ' pay through online wallet ' for options

Task_2:

Integrate with GPay API

Task_3:

Integrate with PayTM|API

EPIC: WISHLIST

❖ STORIES:

- Create Wishlist
- View Wishlist

❖ TASKS:

- Create Wishlist
 - Create Wishlist Button to Add Products to Wishlist
 - Create Wishlist Database
- View Wishlist
 - Create View Wishlist Button to View Saved Items

Cloud :

-->Pro(Licensed)

-->Free version: 10 users/ 30 days

Link: <https://www.atlassian.com/software/jira/free>

Agile scrum activities

- 1) How to create project in Jira
- 2) How to add users/people in Jira
- 3) How to create Backlog -->Epic
- 4) How to create stories in Jira & add story points
- 5) Creating sprint in Jira
- 6) Adding user stories to sprint
- 7) Starting sprint
- 8) Adding sub-tasks to story
- 9) Sprint life cycle

Test Management Activities (Zephyr)

- 1) Test cases
- 2) Test cycle
- 3) update test cases passed/failed/blocked
- 4) Report bugs
- 5) Reports

How to install zephyr plugin

How to create Test case in Jira Manually

How to import multiple test cases in to Jira tool

jira_project_1 - Agile board - Jira

edurekasamplejira.atlassian.net/jira/software/projects/JP1/boards/1/backlog

Jira Software

Your work ▾

Projects ▾

Filters ▾

Dashboards ▾

People ▾

Apps ▾

Create

Search

9+

?

⚙

E

jira_project_1
Software project

PLANNING

Roadmap

Backlog

Board

DEVELOPMENT

Code

Releases

Project pages

Add shortcut

Project settings

You're in a team-managed project

Does your team need more from Jira? [Get a free trial of our Standard plan.](#)

Projects / jira_project_1

Backlog

E

Epics ▾

Insights

JP1 Sprint 1

Add dates

(0 issues)

000

Start sprint

Plan your sprint

Drag issues from the **Backlog** section, or create new issues, to plan the work for this sprint. Select **Start sprint** when you're ready.

+ Create issue

Backlog (2 issues)

Looking for PMP® Online Training? Call us at IN: 9606058406 / US: 18338555775 or visit www.edureka.co

SUBSCRIBE

Start Sprint

2 issues will be included in this sprint.

Sprint name *

JP1 Sprint 1

Duration *

4 weeks

Start date *

21/06/2022

12:12

End date *

19/07/2022


12:12

Sprint goal


















Wishlist deployed on website

Start

Cancel

Project*  ASG Xray Project (AXP) ▼

Issue Type*  Test Plan ▼ ⓘ

-  Bug
-  New Feature
-  Task
-  Improvement
-  Test
-  Test Set
-  Test Execution
-  Pre-Condition
-  Epic
-  Story
-  Requirement
-  General Question
-  Problem
-  Invoice Question
-  Product Improvement
-  Service Request
-  Service Request with Approvals

General

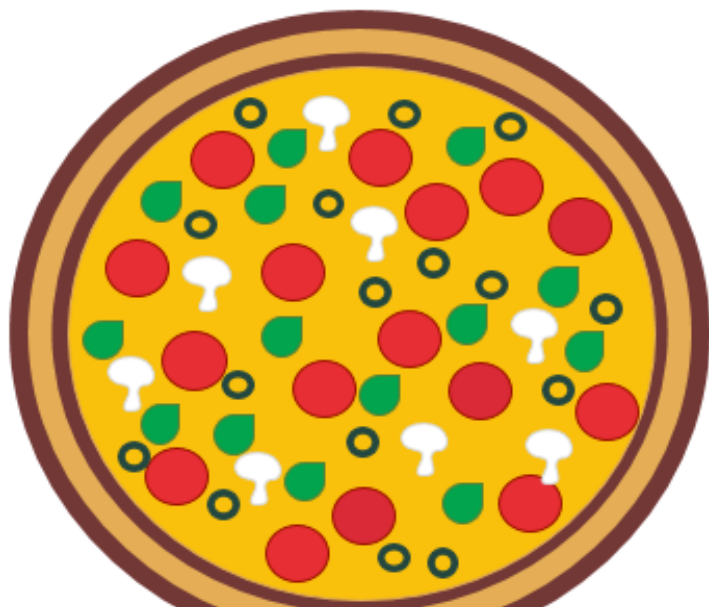
Test Plan D

Summary*

Description

Reporter*

Wait, Pizza?



Imagine you run a pizzeria

What happens when a customer orders a pizza?

How do you communicate the status of the pizza to your customer?

My Pizza Story

BACKLOG (TO DO)



IN PROGRESS



DONE

**ORDER
PLACED**



PREP



BAKING



BOX

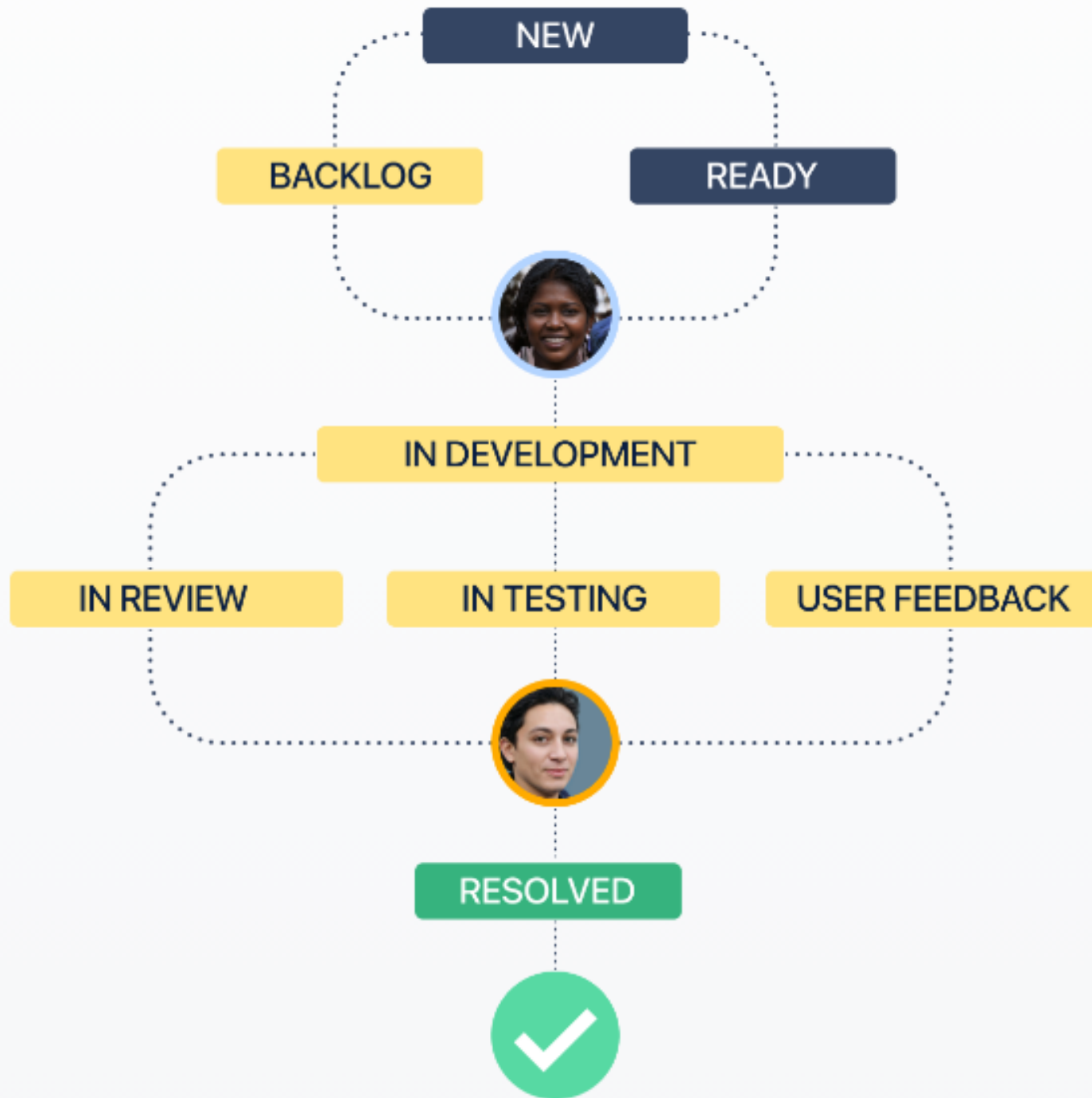


**OUT FOR
DELIVERY**



DELIVERED







Zephyr for Jira - Test Management

Try it free

Overview

Reviews

Pricing

Support

Versions

Installation

Cloud

Automation



QA with a Focused Jira Test

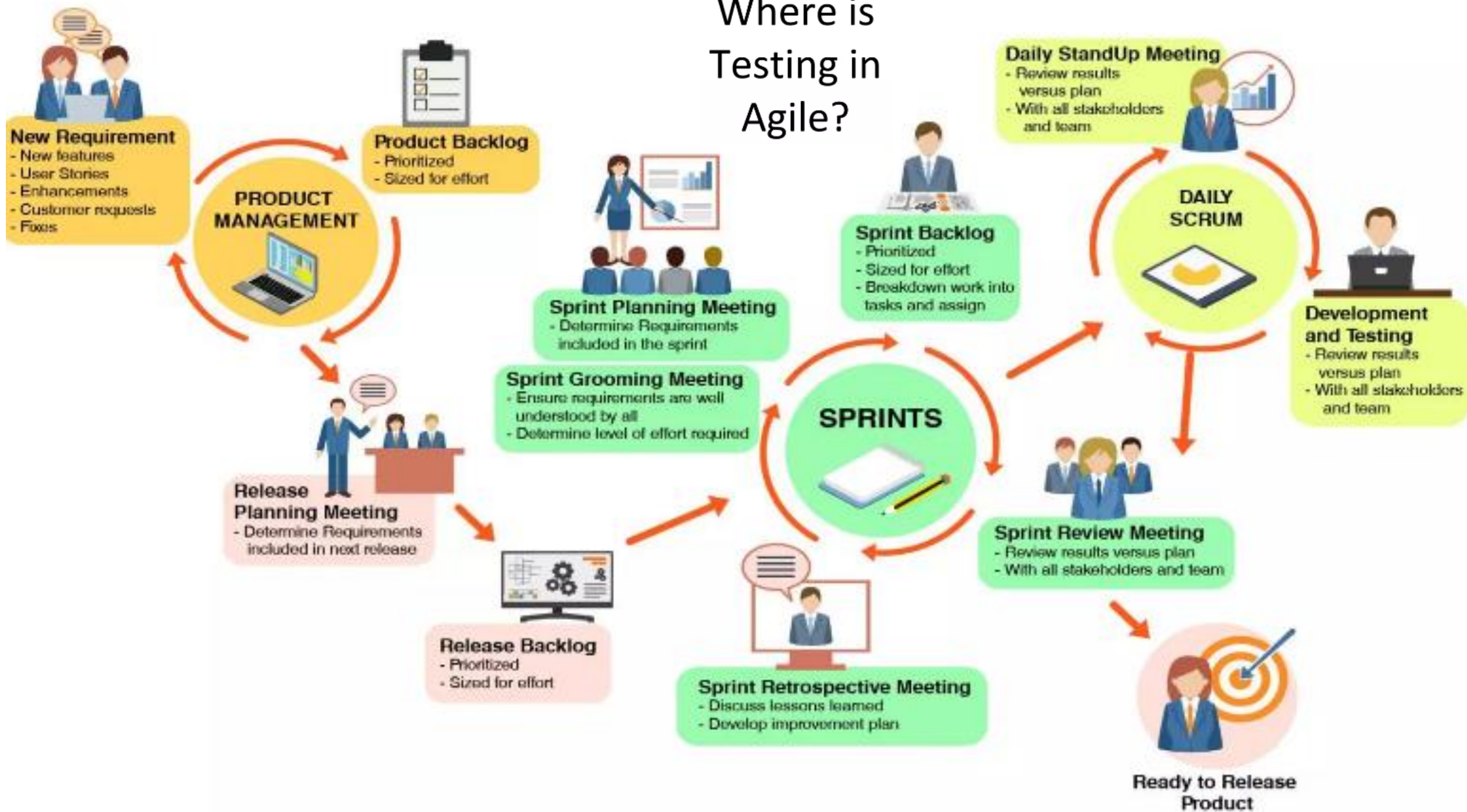


Bring BDD, Automation and



Understand, Track, and

Where is Testing in Agile?



1	S.N.	TestCase Id	Test Case Summary	Steps	Expected
2	1	TC_001	Verify user can access facebook application	1. Navigate facebook application url	User can access application
3	2	TC_002	Verify facebook landing page	1. Navigate facebook application url	1. Verify facebook logo 2. Verify message "Facebook helps you connect and share with the people in your life." Under facebook logo 3. Email Field should display with "Email Address or phone number" place holder 4. Password field with "Password" placeholder 5. login button with blue color 6. "Forgot password" link 7. Create new account button with green color 8. Verify "Create a Page for a celebrity, brand or business." and clickable
4	3	TC_003	Verify user login with valid user credential	1. Navigate application url https://www.facebook.com/ 2. Enter user name and password 3. Click on Login button	User should login successfully in application
5	4	TC_004	Verify with blank user name and password	1. Navigate application url https://www.facebook.com/ 2. Click on Login button	1. Verify user should not access facebook account 2. Verify user redirect on login page with message "The email address or mobile number you entered isn't connected to an account. Find your account and log in."

1. Consider a collection of EPIC of online ticket booking application requirements with its stories and its related Task to be performed.

Using JIRA plan, configure, schedule and explore the activities of project management with a standard workflow pattern

2. Consider a collection of EPIC of Massive Online Open Course (Mooc) Education requirements

with its stories and related Tasks to be performed.

Using JIRA plan, configure, schedule and explore the activities of project management with a standard workflow pattern

https://www.youtube.com/watch?v=uM_m6EzMg3k

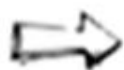
Example : Breaking down Initiatives to Epics to User story

Initiative
End Goal or Objective



Develop and Launch School Management Software

Epic



Large bodies of work which can
be further broken down into
User stories

LOGIN

Attendance
Attendance

FINANCE

User
Stories



Small, detailed,
specific

- Create Student Login page
- Student should be able to Reset Password
- Create Parents Login page
- Parents should be able to reset password
- Create Faculty Login page
- Faculty should be able to reset password


- Adding Student Attendance
- Updating Student Attendance
- Delete Student Attendance
- Adding Staff Attendance
- Updating Staff Attendance
- Delete Staff Attendance

- Student can pay Tuition fees
- Student can pay Transportation Fees
- Student can pay examination Fees
- Generating Reports
- Reminders for Fees Payments


Create issue

Import issues Configure fields ▾

Project*

 School Management Softw... ▾

Issue Type*






 Epic ▾ ?


Some issue types are unavailable due to incompatible field configuration and/or workflow associations.

Summary*

Development of Login Module for School Management Software

Description

Style ▾ B I U A ▾ *A ▾  ▾  ▾    ▾ + ▾ ≈

*Epic Description: 

Desired outcome and/or benefits:


*Business Value: *

In Scope:

prerequisite/Precondition :



☐ Create another **Create** Cancel

Create a Login page for students, parents and faculty
Student should be able to login to his Dashboard
Student should be able to Reset Password
Parents should be able to login to his Dashboard
Parents should be able to Reset Password
Faculty should be able to login to his/her dashboard
Faculty should be able to reset password 



How to write EPIC in JIRA : Epics in JIRA

Example: **How to write**
Description: **Design outcome and/or benefits:**

Business Value:

In Scope:

prerequisite/Precondition :

Constraints:

Assumptions:

References:

UX/UI :

Epic Description

To create a Login Module for school Management Software

Desired outcome and/or benefits:

All the users will be able to successfully access the school management software with secured login

Business Value:

It increases the total revenue of the organizationIt secures the information in the school Management software

In Scope:

```
Create a Login page for students, parents and faculty
Student should be able to login to his Dashboard
Student should be able to Reset Password
Parents should be able to login to his Dashboard
Parents should be able to Reset Password
Faculty should be able to login to his/her dashboard
Faculty should be able to reset password
```

Pre **Pause (k)** tendencies :

Epics / Steps



Kerry

Help Desk (Support) Manager

Release 1
(MVP)

Install App
or Open
Website

Search for
Products

View Product
Details

Add to Card

Review Order

Place Order

Track Order

Search by
Keyword

Adjust Water
Temperature

Open Product
Page

Browse
Similar
Products

Select
Delivery
Method

Select
Payment
Method

View Order
Details

Add to
Wishlist

Submit Order

Enter
Shipping
Information

Click on
Tracking Link

Proceed to
Checkout

Release 2

Get In-App
Suggestions

Browse via
Categories

Browse
Similar
Products

Change
Quantity

Receive
Membership
Email Offer

Update
Quantity

Open an
Affiliate Site

Discover
Merchandise

Compare
With Other

Send as Gift

Tracking
Updates via



Agnes

IT / Operations Manager



Story Points Estimation Cheat Sheet

How much is known about the task	Everything	Almost everything	Something	Almost nothing	Nothing	Nothing
Dependencies	None	Almost none	Some	Few	More than few	Unknown
How much work effort	Less than 2 hours	Half a day	Up to two days	Few days	Around a week	More than one week
Story Points	1	2	3	5	8 Should be split into smaller items	13 Must be split into smaller items

To get story points - pick the column which represents your task the best. If it fits more than one column, pick higher one.

Story points are units of measurement used to determine how much effort is required to complete a product backlog item or any other piece of work. The team assigns story points based on the work's complexity, amount, and uncertainty

User Story	Story Point
User story 1	

⋮

User Story	Story Point
User Story 1	5

⋮

Tasks	Tasks Hours
UI Design	3
Development Task 1	8

⋮

Pre-Planning

Sprint Planning

Story Points and task hour estimation process

Zephyr was built for test case management and it leverages JIRA's existing bug-tracking features to manage test cases and their execution.

User Stories with Tests

- Test description (test objective)
 - Acceptance Criteria
- Test steps
- Expected results
- Associated requirement (User Story) for traceability
- Test Plan – Execution History