

# Software Engineering

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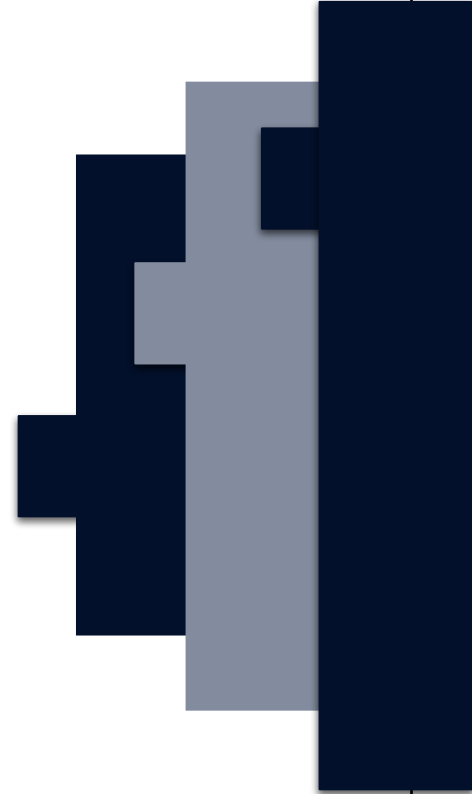


# Outline

- Software Project Management
- Jira
- Kanban Board in Jira
- Gantt Chart in Jira

# Software Project Management

- Planning
- Execution
- Monitoring
- Controlling



# The Management Spectrum

- The People
- The Product
- The Process
- The Project

# People

- Stakeholders
- Team Leaders
- Software Team
- Proper Coordination is important
- Issues: Communication lack

# Product

- Software Scope
- Problem Decomposition

# Process


- Melding the Product and the Process
- Process Decomposition

# Project

- Clear requirements
- Active and continuous participation of users
- A project manager with required leadership skills who is able to share project vision with the team
- A project plan and schedule to achieve user goals
- Skilled and engaged team members
- Development team members with compatible personalities
- Monitored and maintained budget
- Customer needs that are understood and satisfied
- Team members who experience a high degree of job satisfaction
- A working product that reflects desired scope and quality



# The W5HH Principle

- **Why** is the system being developed?
  - **What** will be done?
  - **When** will it be done?
  - **Who** is responsible for a function?
  - **Where** are they located organizationally?
  - **How** will the job be done technically and managerially?
  - **How** much of each resource is needed?
- 

# Reference Book

Software Engineering\_A PRACTITIONER'S  
APPROACH

(Chapter 24)

By ROGER S. PRESSMAN BRUCE R. MAXIM

(9th Edition)



# Jira Introduction

- Issue tracking product (bug tracking)
- Use in Agile methodology
- Efficient for team work
- Reporting, assigning, testing tasks
- Authentic way

## Jira Software Link

[https://www.atlassian.com/software/jira?&aceid=&adposition=&adgroup=140479881486&campaign=18442480203&creative=639487383319&device=c&keyword=jira&matchtype=e&network=g&placement=&ds\\_kids=p73335832032&ds\\_e=GOOGLE&ds\\_eid=700000001558501&ds\\_e1=GOOGLE&gclid=CjwKCAiArY2fBhB9EiwAWqHK6hjRQviilJfm9-I3k5dTSbJalZEYp6rKgt3cLu3T3c16GcWmJbxO0xoCcl8QAvD\\_BwE&gclsrc=aw.ds](https://www.atlassian.com/software/jira?&aceid=&adposition=&adgroup=140479881486&campaign=18442480203&creative=639487383319&device=c&keyword=jira&matchtype=e&network=g&placement=&ds_kids=p73335832032&ds_e=GOOGLE&ds_eid=700000001558501&ds_e1=GOOGLE&gclid=CjwKCAiArY2fBhB9EiwAWqHK6hjRQviilJfm9-I3k5dTSbJalZEYp6rKgt3cLu3T3c16GcWmJbxO0xoCcl8QAvD_BwE&gclsrc=aw.ds)

## Youtube Tutorial for Installation

<https://youtu.be/K1w1AyoSVAI>

## Download Link

<https://www.atlassian.com/software/ji...>

# Kanban Board in Jira

The screenshot displays the Jira Software interface for a Kanban board. The top navigation bar includes the Jira logo, 'Jira Software', and various dropdown menus: 'Your work', 'Projects', 'Filters', 'Dashboards', 'People', and 'Apps'. A 'Create' button is on the right, along with a search bar and icons for notifications, help, settings, and a user profile labeled 'HR'.

The left sidebar shows the project 'Chomp Software project' and a menu with options: 'PLANNING' (SHOP123 board, Roadmap, Kanban board, Reports), 'Issues', and 'Components'. The 'Kanban board' option is selected.

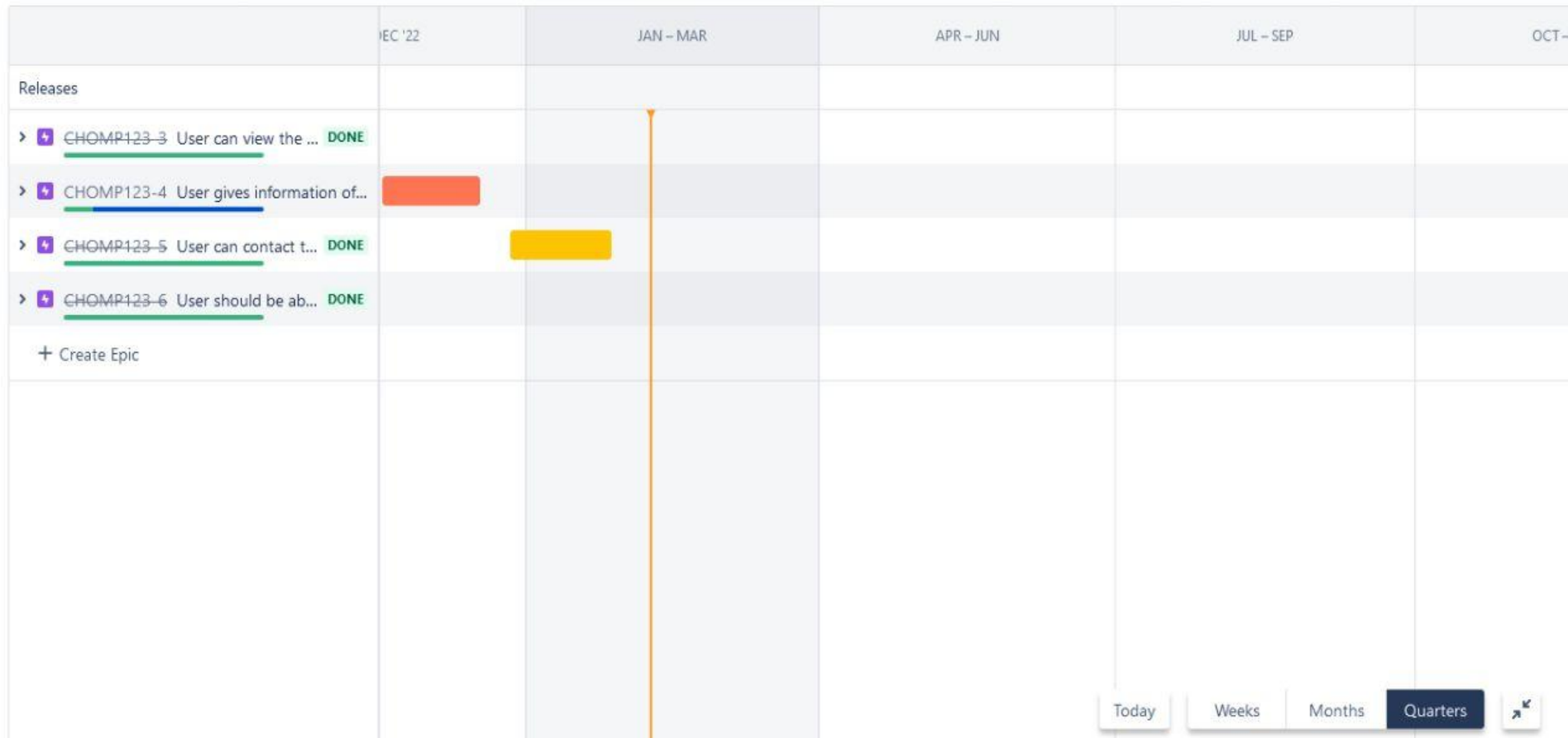
The main content area is titled 'Projects / Chomp / SHOP123 board' and 'Kanban board'. It features a search bar, filters for 'Only My Issues' and 'Recently Updated', and an 'Insights' button. The board is organized into four columns: 'BACKLOG 0', 'IN PROGRESS 0', 'MANUAL TESTING 31', and 'DONE 1'.

Under the 'User stories 1 issue' section, a card is visible with the title 'View Checkout', a red 'Checkout section' label, and the identifier 'CHOMP123-12' with an 'HR' icon.

Under the 'Test cases 28 issues' section, a card is visible with the title 'View Checkout test cases: Valid Full name of the user', a red 'Checkout section' label, and the identifier 'CHOMP123-105' with an 'HR' icon.

At the bottom left, a message states 'You're in a company-managed project' with a 'Learn more' link.

# Gantt Chart in Jira



Projects / Chomp

## Issues

Share ▾

Export issues ▾

Go to advanced search

LIST VIEW ▮

DETAIL VIEW ▮

...

Search issues



Project: Chomp ▾

Type ▾

Status ▾

























Assignee ▾

More +

Save filter

BASIC

JQL

Type	Key	Summary	Assignee	Reporter	P	Status	Resolution	Cr
	CHOMP1... -34	View a product test case: Change the amount of items through arrows		 register fuge	=	DONE ▾	Done	Oc
	CHOMP1... -33	View Company Information test case: Non interactive surfaces		 HR Hammed Beshid	=	DONE ▾	Done	Oc
	CHOMP1... -32	View a product test case: Add to cart button working			=	DONE ▾	Done	Oc
	CHOMP123-31	View Company Information test case: Statistical data			=	DONE ▾	Done	Oc
	CHOMP1... -30	View a product test case: Product information page should show picture, name, price, description, additional information, and reviews			=	DONE ▾	Done	Oc
	CHOMP1... -29	View Company Information test case: User Interface			=	DONE ▾	Done	Oc
	CHOMP1... -28	View Company Information test case: Learn about us button			=	DONE ▾	Done	Oc
	CHOMP123-27	Cart Test cases			=	DONE ▾	Done	Oc

THANK YOU