



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE NAME : 19CS302 AGILE SOFTWARE ENGINEERING

II YEAR /III SEMESTER

Unit 2- Agile Development

Topic 7: Agile-JIRA





Brain Storming



1. How to customize to match your business process?



What is JIRA?

- JIRA lets you **prioritize, assign, track, report** and **audit** your 'issues', from software bugs and helpdesk tickets to project tasks and change requests
- More than just an issue tracker, JIRA is **an extensible platform** that you can customize to match your business processes
- JIRA **improves productivity** by cutting down on time wasted on tracking issues and coordination
- JIRA **improves quality** by ensuring all tasks are recorded down with all the details and followed up till completion



One application. Many uses.



Bugs/Change Requests Tracking



Help-desk / Support / Customer Service



Project Management



Task Tracking



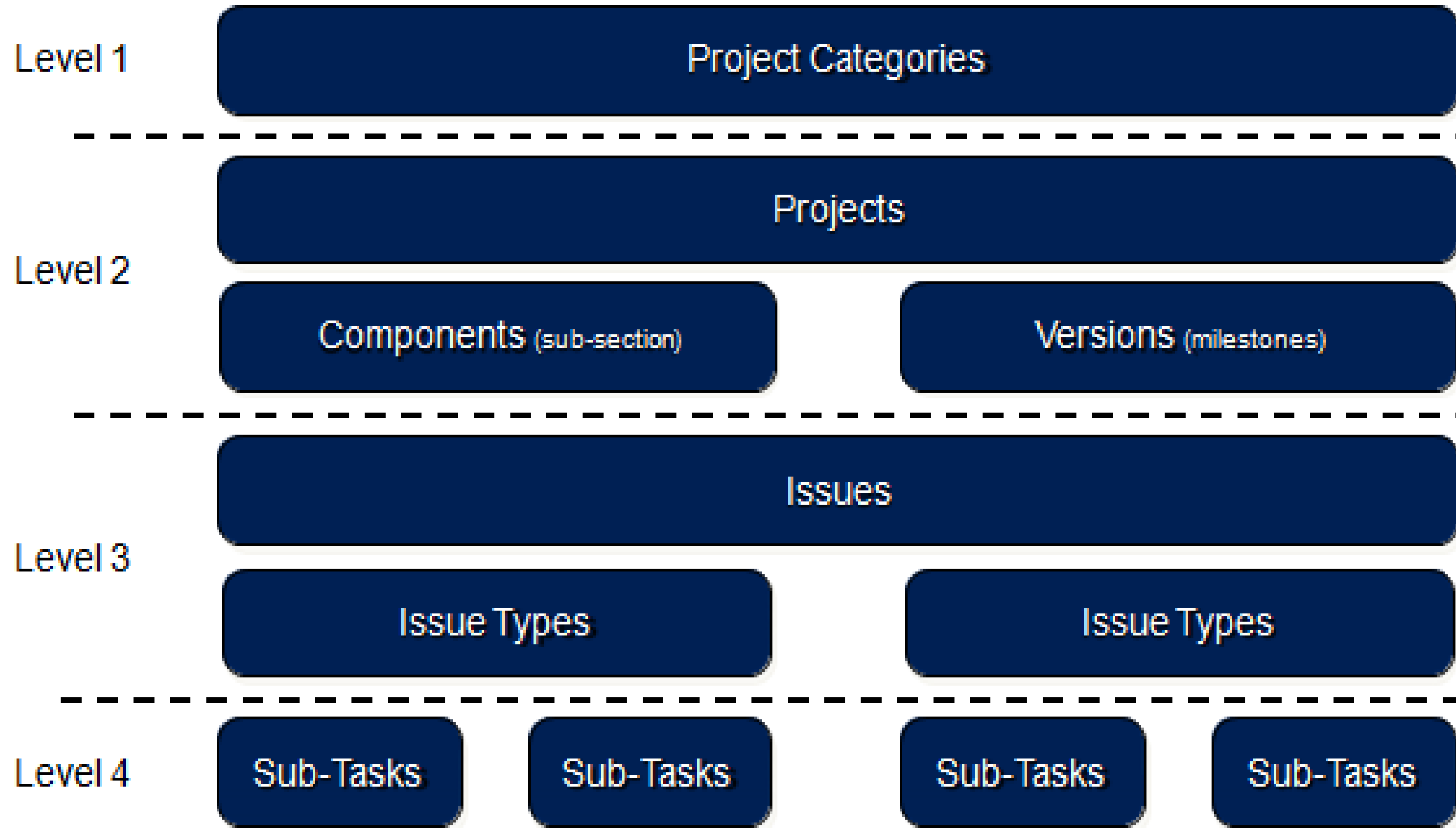
Requirements Management Workflow /



Process Management

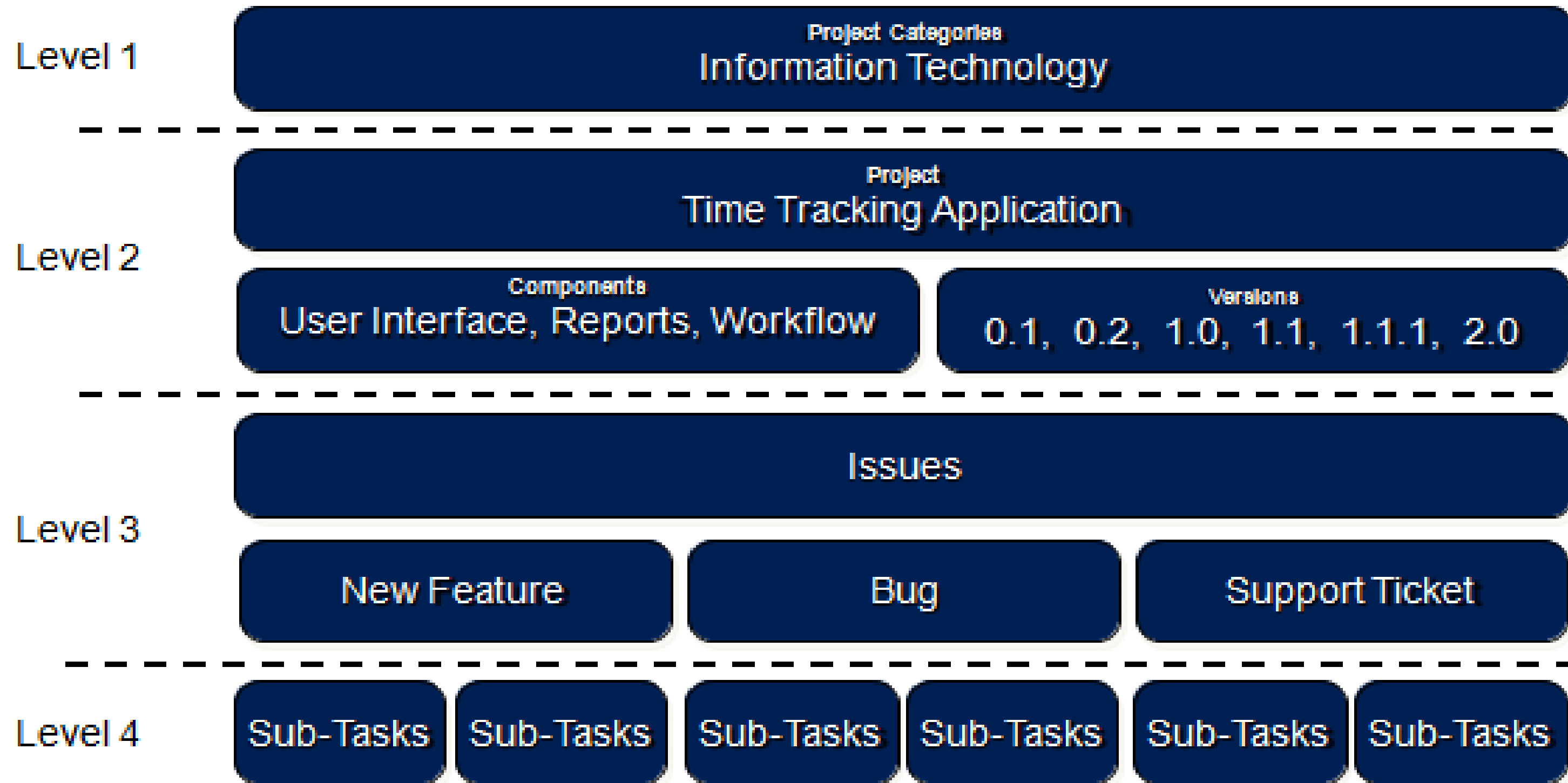


JIRA Concepts: Projects, Issues & Subtasks



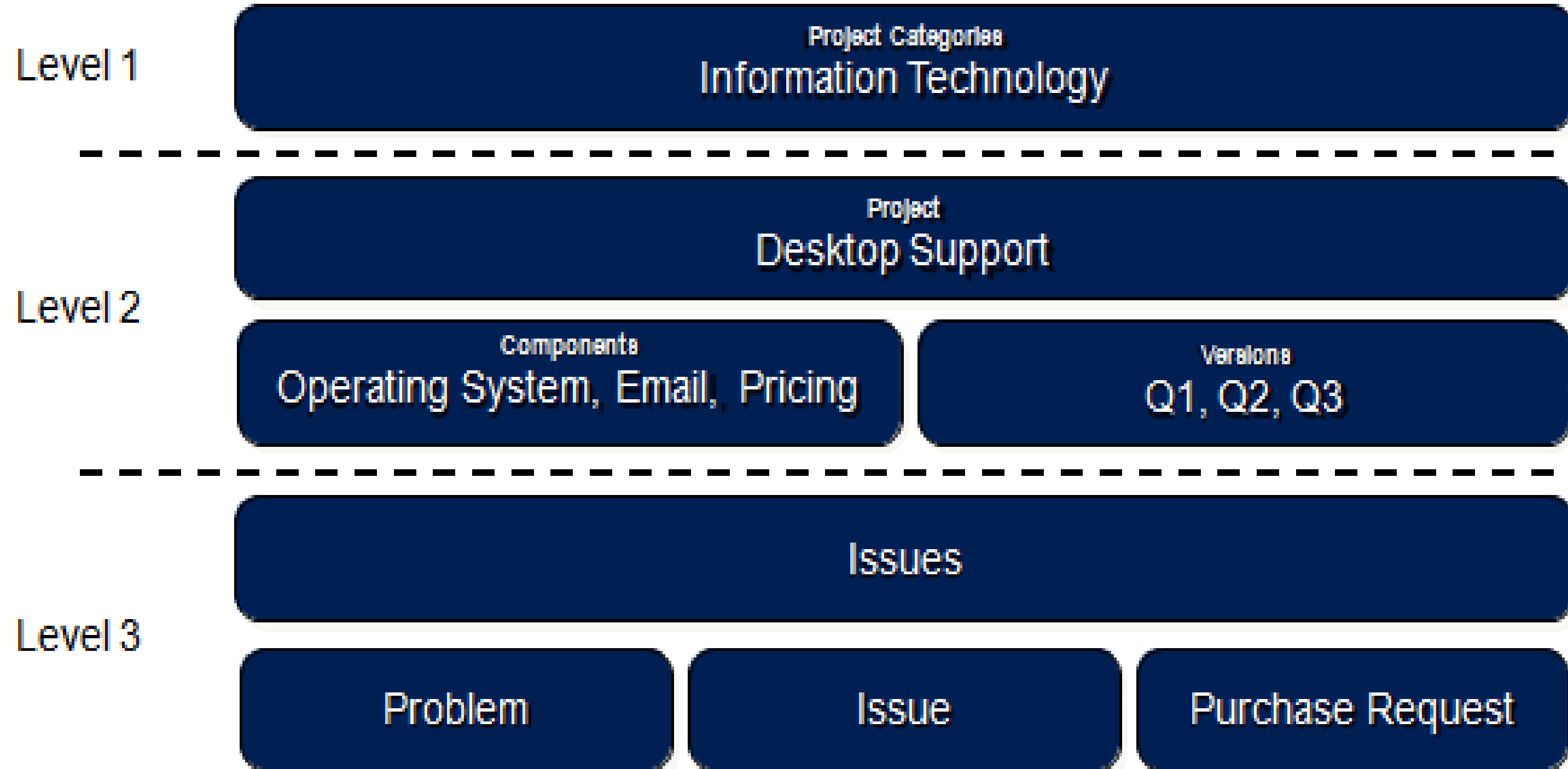


Example: A Software Development Project



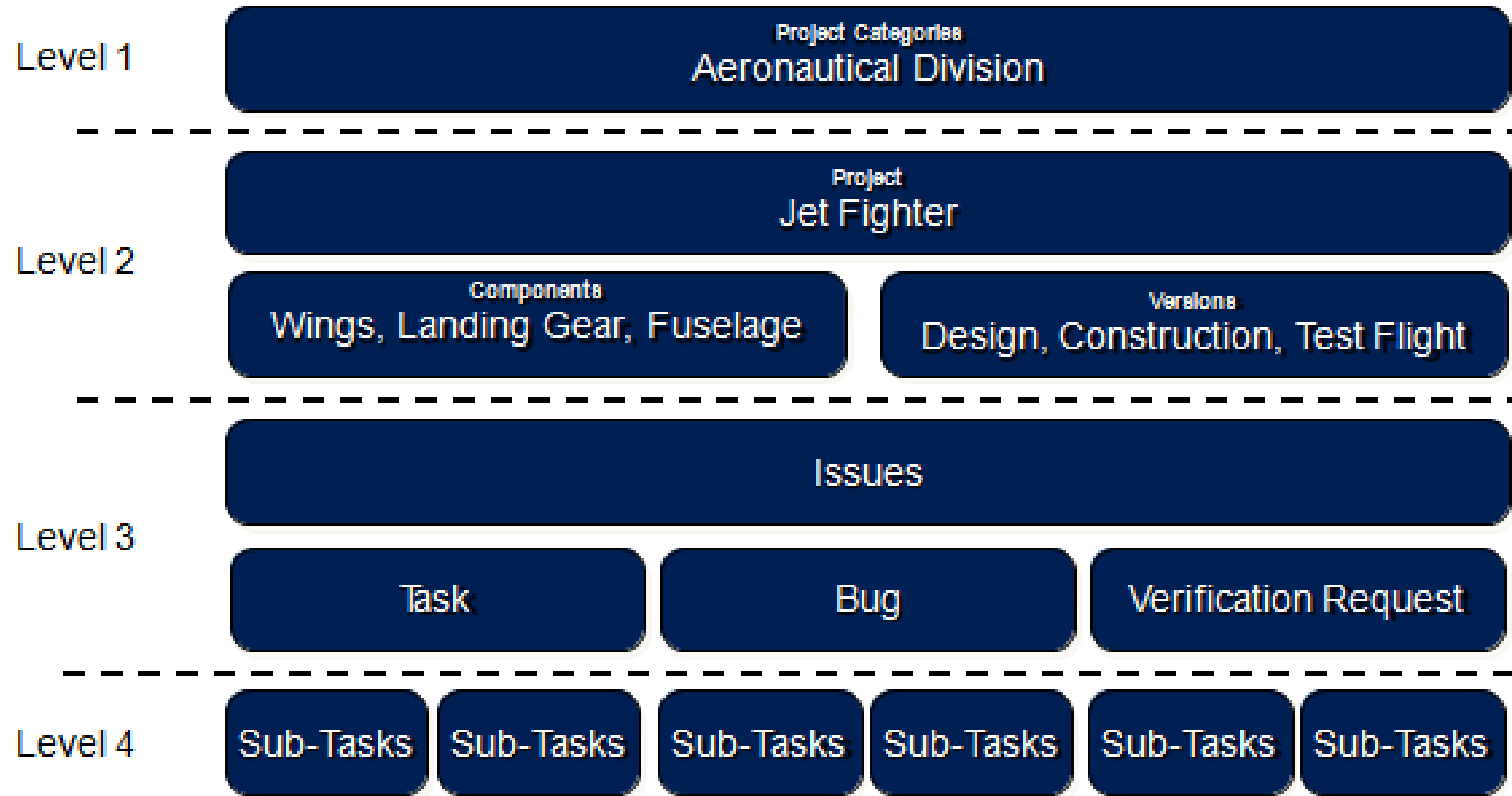


Example: A Helpdesk Environment





Example: An Aerospace Engineering Project

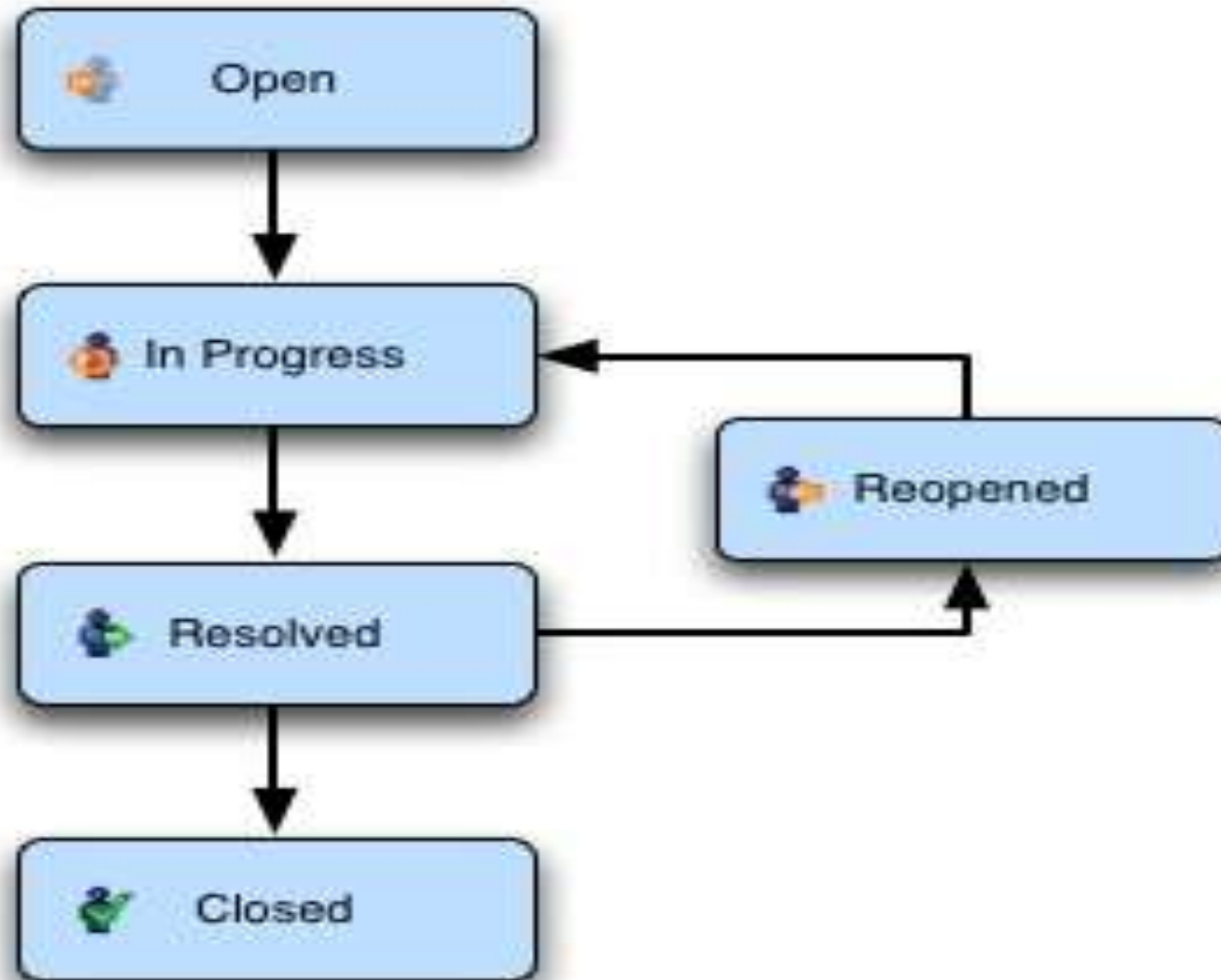




JIRA Concepts - Workflow



- Customizable workflows to meet business needs





JIRA Features – Issue Creation



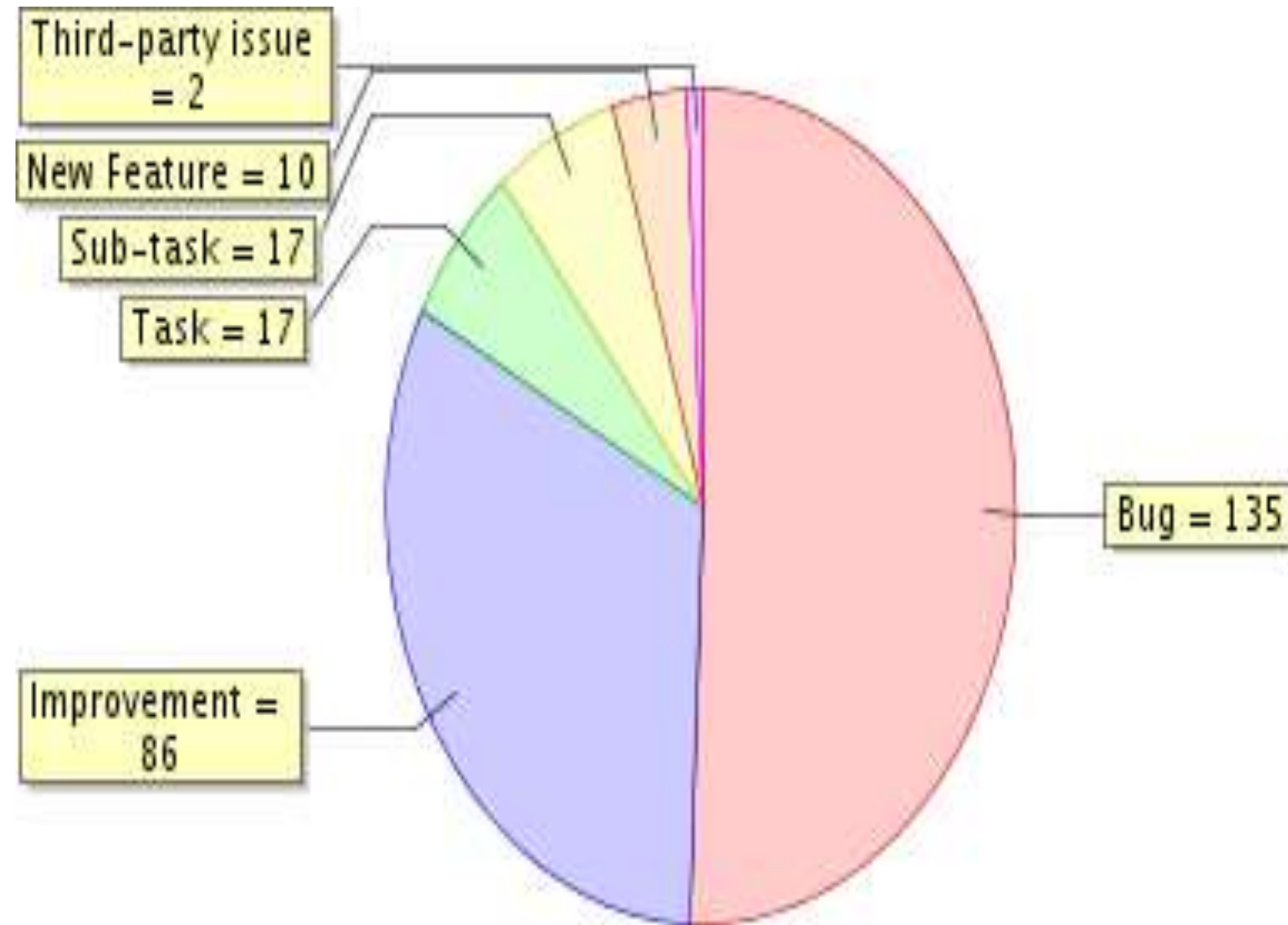
- Creating tasks, bug reports, feature requests, helpdesk tickets, is a breeze
- No need to transcribe issues from emails to Excel worksheet anymore
- Issue can be easily created via
 - Web: Filling the form on the Web page
 - Email: Sending an email to a preconfigured email address
- Allows customizable items for different issues types



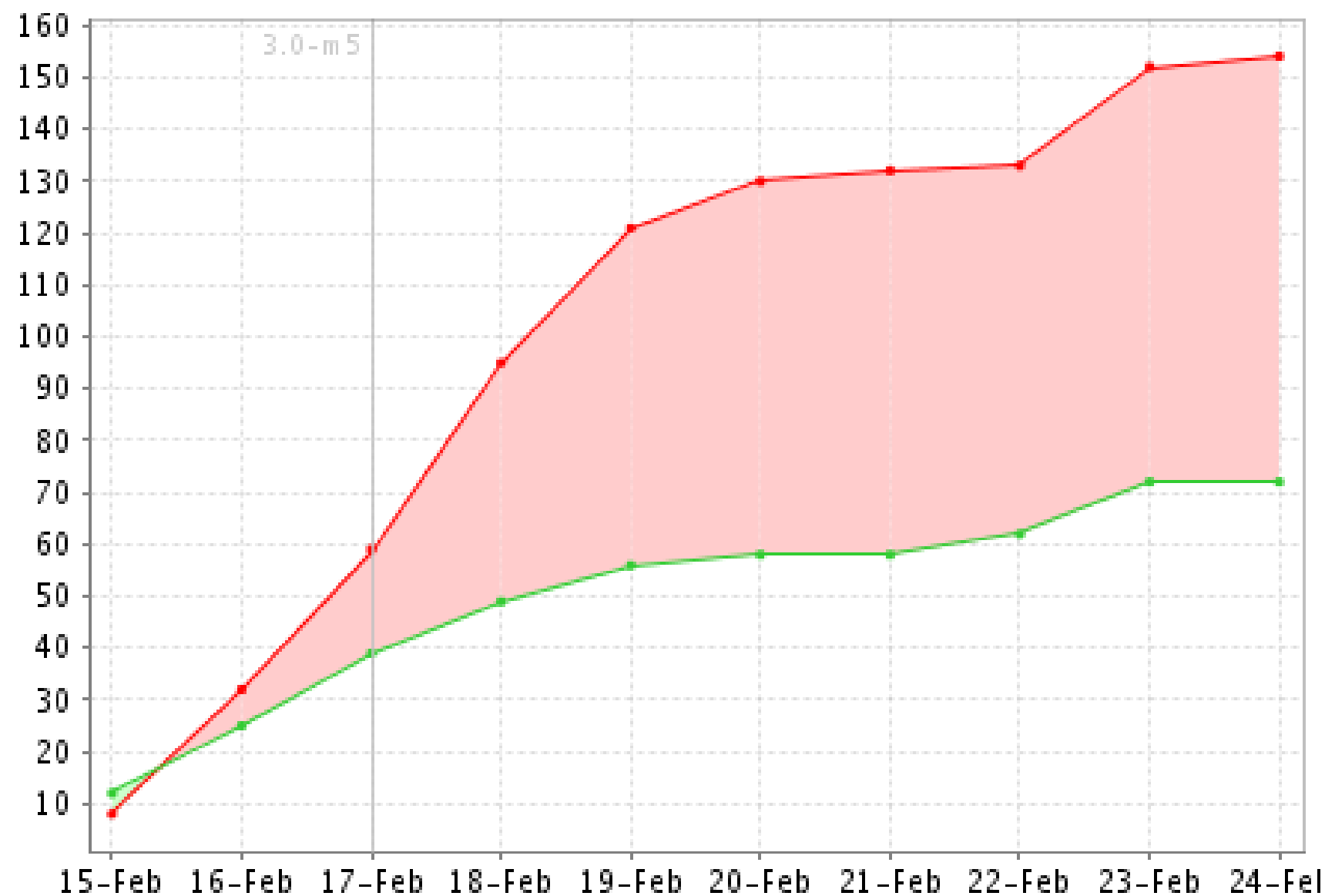
JIRA Features - Reports



- JIRA delivers real-time, relevant information in a convenient format
- JIRA enables the management to have clear visibility of the situation



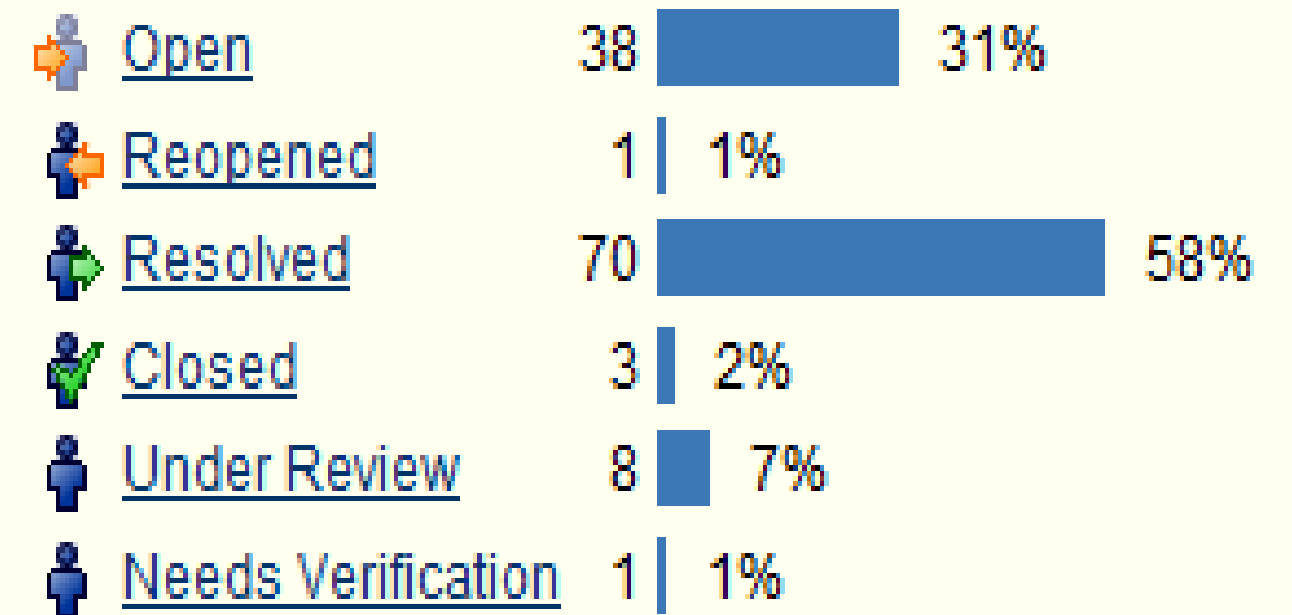
Created vs Resolved Issues: Confluence



Issues: **154** created and **72** resolved
 Period: last 10 days (grouped daily)

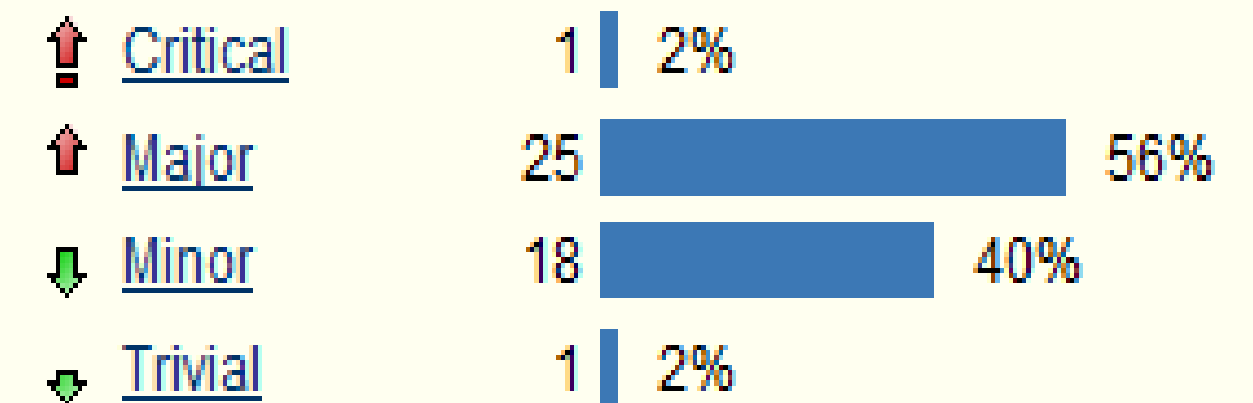
[View detailed data table >>](#)

Project Summary



Open Issues

By Priority





Jira Features - Roadmaps



- JIRA enables you to know what is outstanding and when issues are scheduled to be resolved

Select: [Open Issues](#) **[Road Map](#)** [Change Log](#) [Popular Issues](#) [Labels](#) [Calendar](#) [Versions](#) [Components](#) [Builds](#) [FishEye](#) [Crucible](#)

Road Map

[View personal road map](#)
 Scope: [next 3 versions](#) | all versions

2.8.1.4 (Release Notes) Progress: 2 of 4 issues have been resolved

	CONFJIRA-119 UNRESOLVED	Progress Bar of Road Map portlet is broken into two rows		
	CONFJIRA-107 UNRESOLVED	jiraissues: Could not download[https://jira.mycompany.com/		
	CONFJIRA-116 FIXED	Links within Charting Portlet displaying results inside IFrame		
	CONFJIRA-115 CANNOT REPRODUCE	{jiraportlet} should use height: 100%		

2.8.8 (Release Notes) Progress: 3 of 5 issues have been resolved

	CONFJIRA-119 UNRESOLVED	Progress Bar of Road Map portlet is broken into two rows		
	CONFJIRA-107 UNRESOLVED	jiraissues: Could not download[https://jira.mycompany.com/		
	CONFJIRA-116 FIXED	Links within Charting Portlet displaying results inside IFrame		



Jira Features – Notifications



- JIRA enables you to receive the information you need, when you need it.
- Configurable email alerts as and when issues are updated
- Optional emails to remind on overdue tasks
- Subscribe to weekly/monthly reports on issue status



Jira Features – Powerful Search



- Find precisely what you are looking for in seconds
- Search can be saved as filters and reused
- Powerful and flexible searching
- Supports searching of customized fields too



Project: ▲
 Atlassian Activity Stream Plu
 Atlassian Log Analysis
 Atlassian Maven Plugins
 Atlassian Plugin Developme ▼

Issue Type: ▲
 Standard Issue Types
 Bug
 Improvement
 New Feature
 Opened Request

▼ Text Search

Query:

Query Fields: Summary Description
 Comments Environment

▼ Issue Attributes

▼ Issue Attributes

Reporter: ▼

Assignee: ▼

Status: ▲
 Open
 In Progress

Resolutions: ▲
 Unresolved
 Fixed

Priorities: ▲
 Blocker
 Critical

▼ Dates and Times

Created After:

Created Before:

Created: From To
 Use this picker for relative dates

Updated After:

Updated Before:

Updated: From To
 Use this picker for relative dates

Due After:

Due Before:

Due Date: From To
 Use this picker for relative dates



Jira Features - Others



- **Secure** – JIRA provides fine-grained enterprise level security
- **Usable** – Intuitive interface designed with both business and technical users in mind
- **Track** – Keep track of all activities, changes and work logged against issues
- **Administration** – A low maintenance system with straightforward administration capability
- **Extensible** – With over 100 plugins contributed by the community
- **Open** – An open API, full source code access allow for further integration and customization of JIRA functionality



Who uses JIRA?



Over **10,000** customers
in more than **90** countries





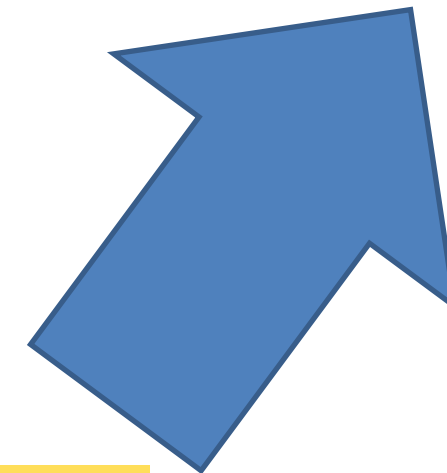
Top 10 reasons to use JIRA



1. Features you won't find elsewhere
2. It ... just ... works
3. Fair, upfront licensing policy
4. Battle tested by the world corporations
5. The information you need, when you need it
6. Easily customizable and extensible
7. Legendary service
8. Jira runs anywhere
9. Continually improving
10. Recognized with many industry awards



Gartner





Assessment 1



1. List out the Agile Testing methods?

Ans : _____

2. List out the Phases in Agile SDLC?

Ans : _____





References



1. Roger S. Pressman, Software engineering- A practitioner's Approach, 10th Edition, McGraw-Hill, 2017.
2. Ken Schawber, Mike "Agile Software Development with Scrum" Pearson Education, 2nd Edition, 2015.

Thank You