SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

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

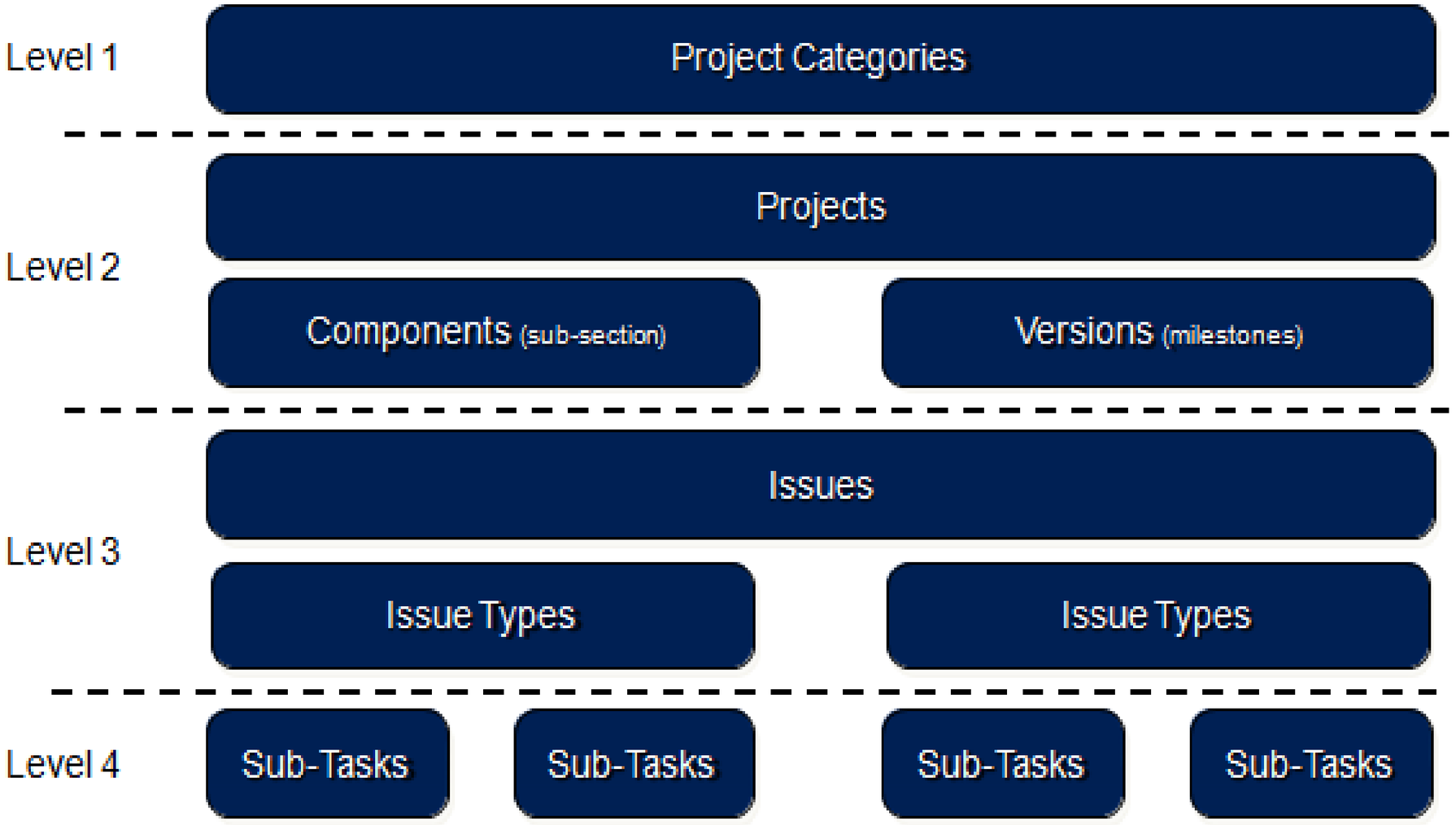
Project Management

Task Tracking

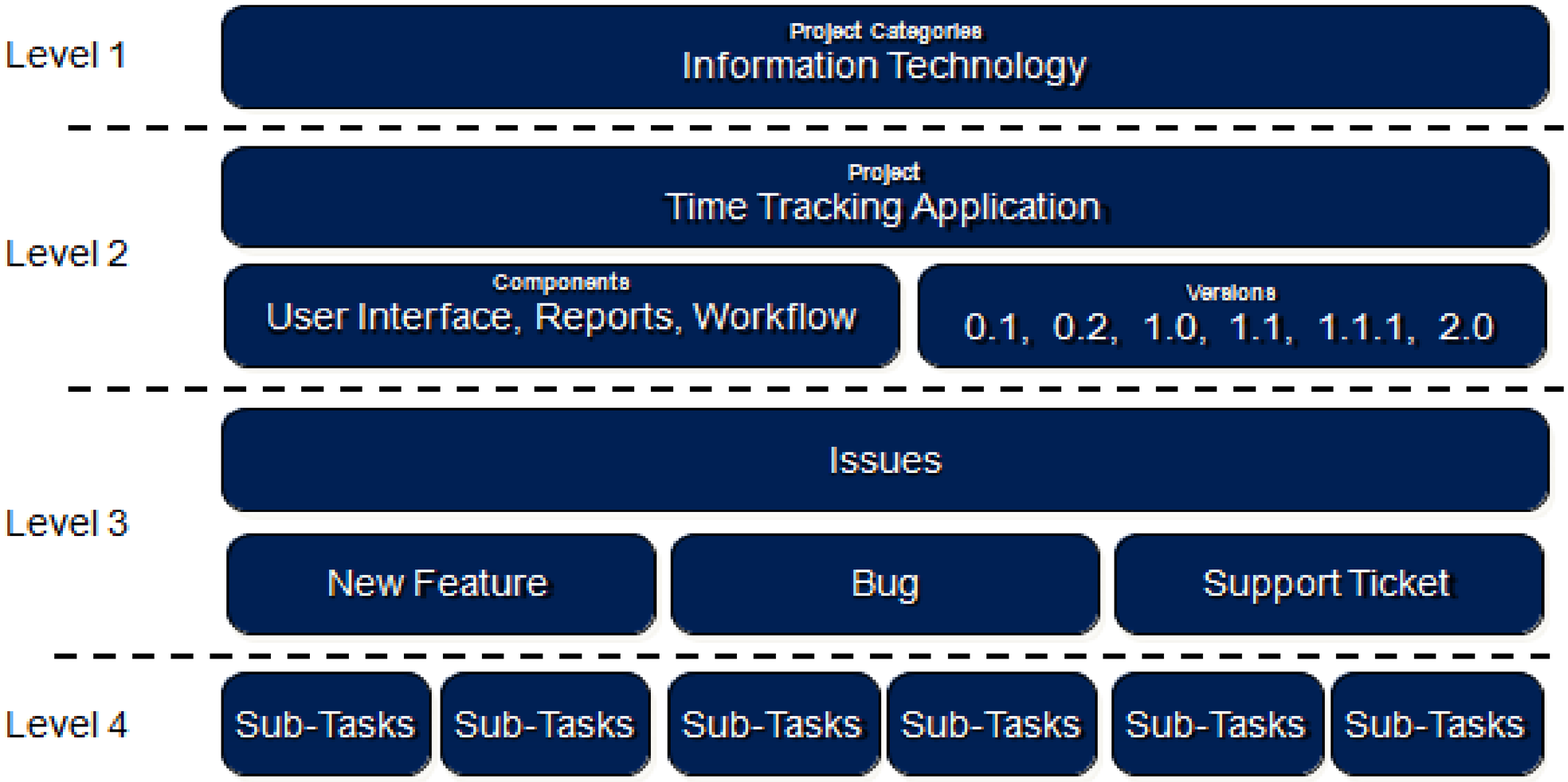
Requirements Management Workflow /

Process Management

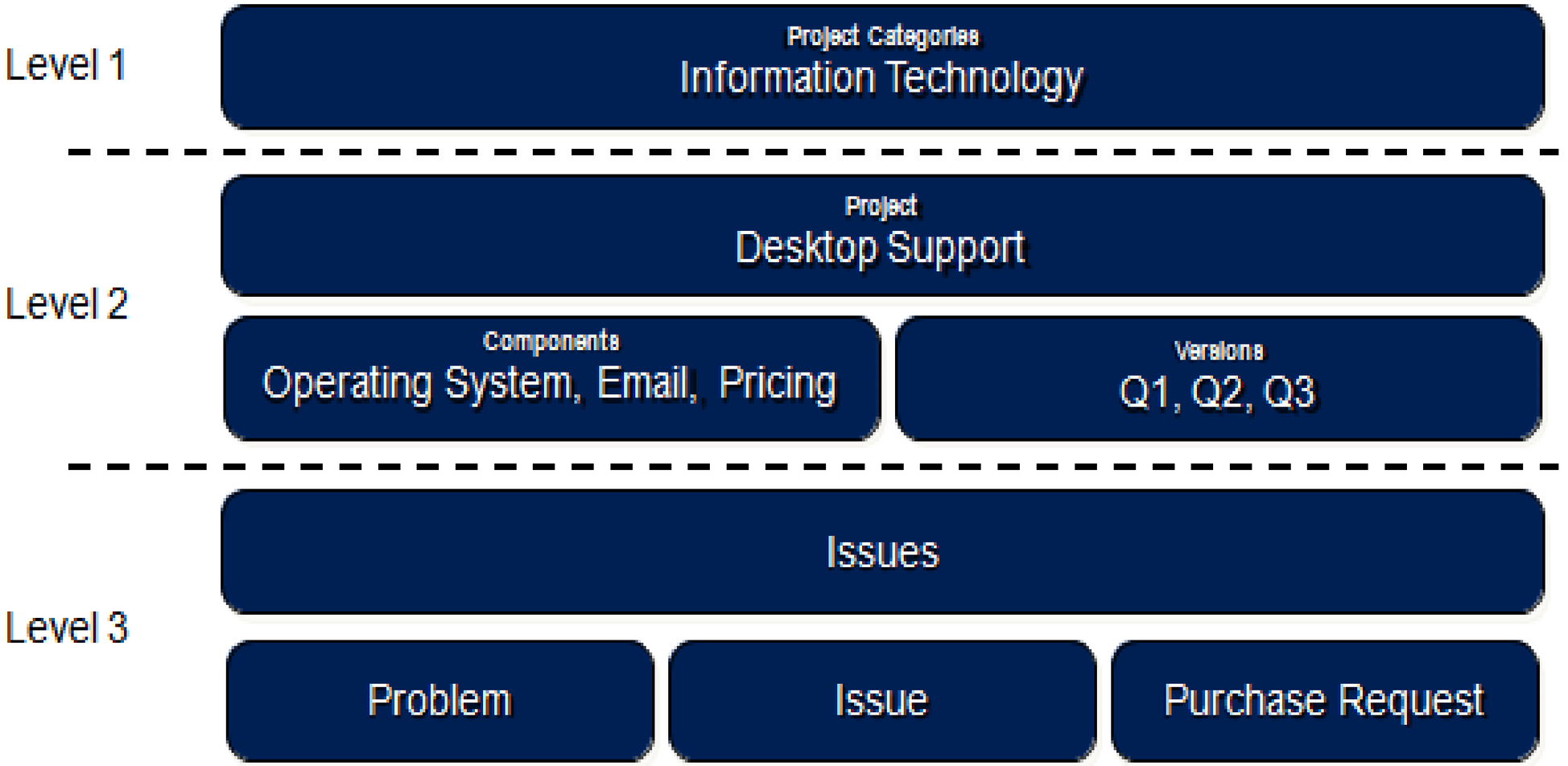
JIRA Concepts: Projects, Issues & Subtasks



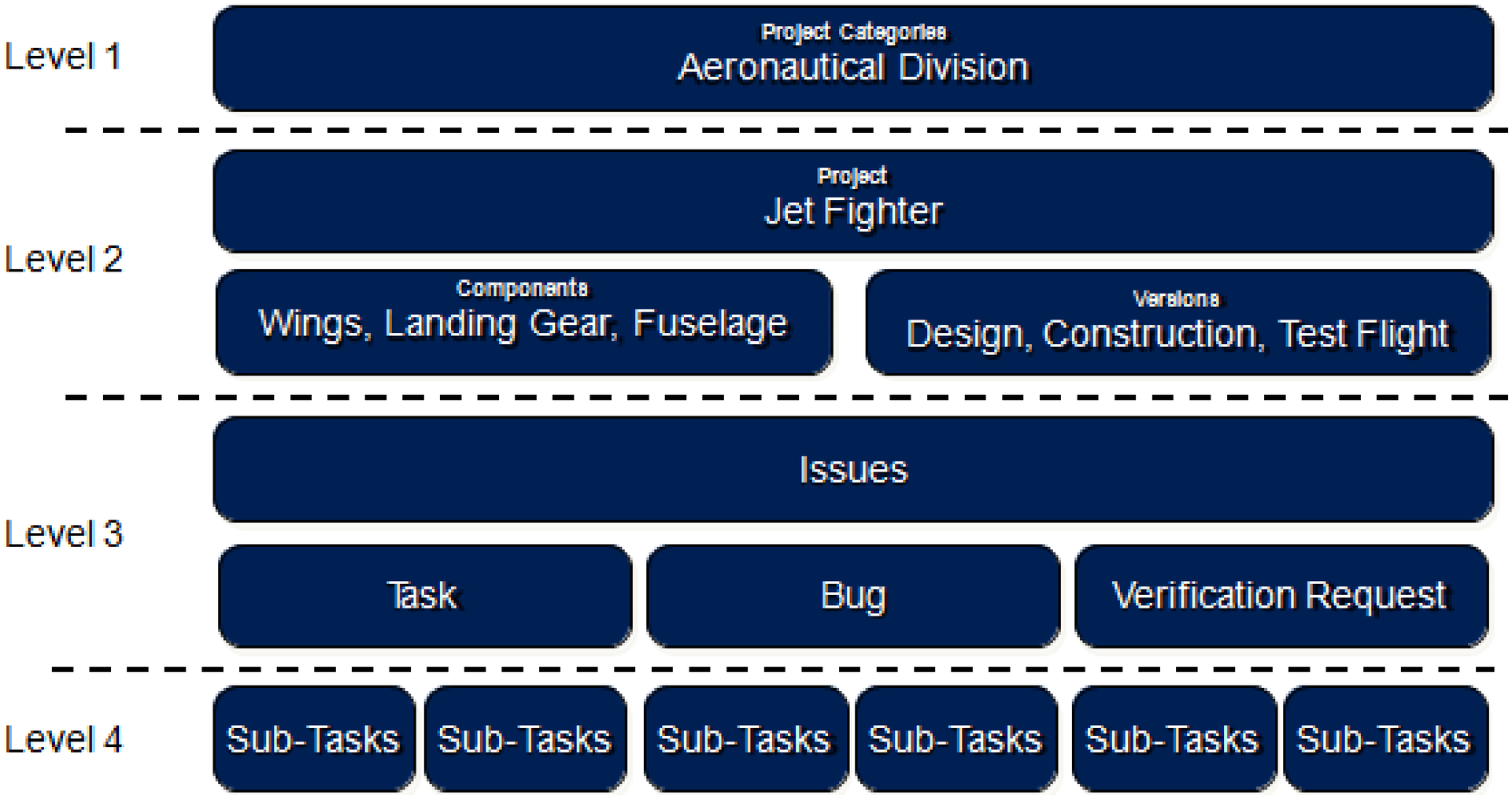
Example: A Software Development Project



Example: A Helpdesk Environment

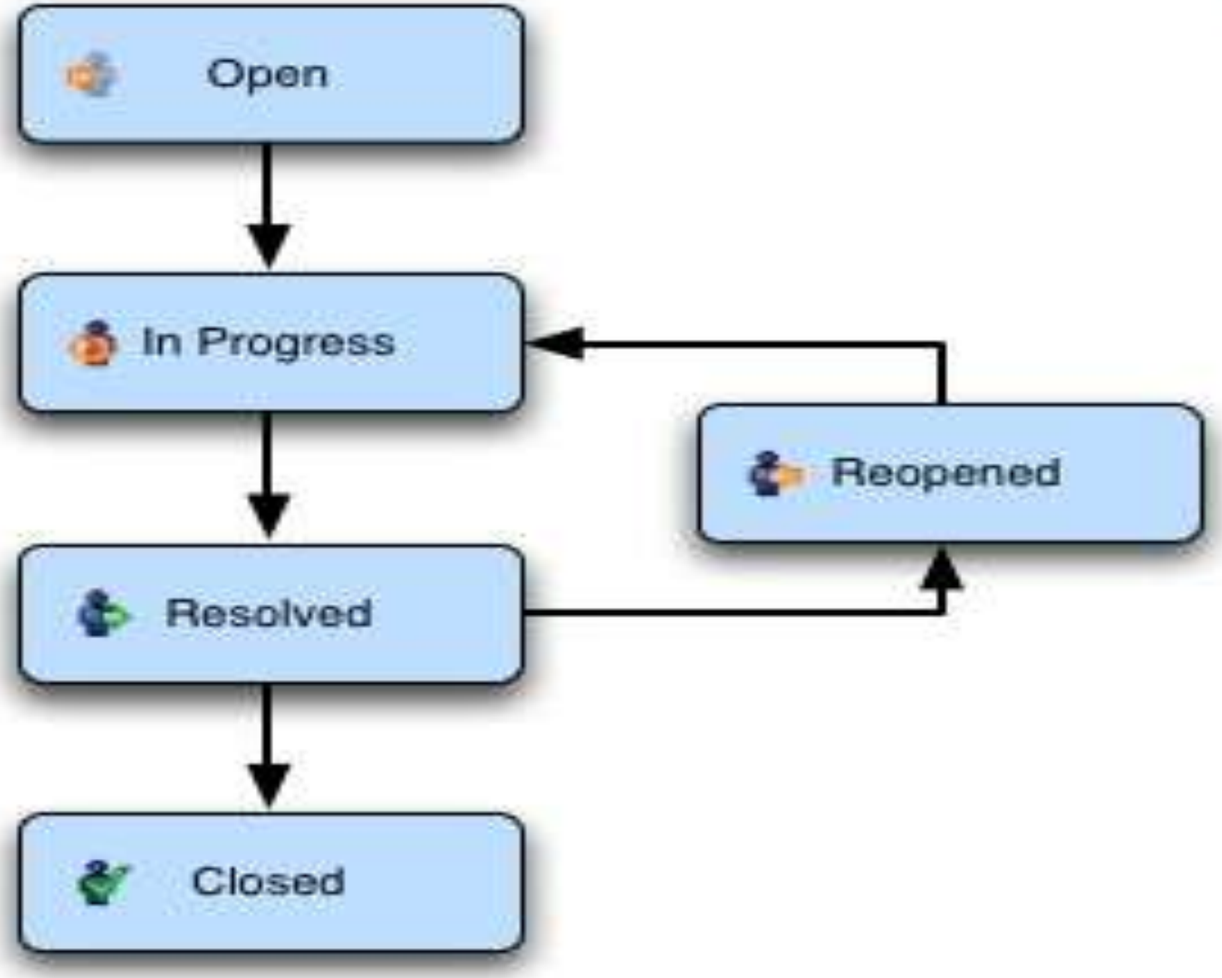


Example: An Aerospace Engineering Project



JIRA Concepts - Workflow

- Customizable workflows to meet business needs

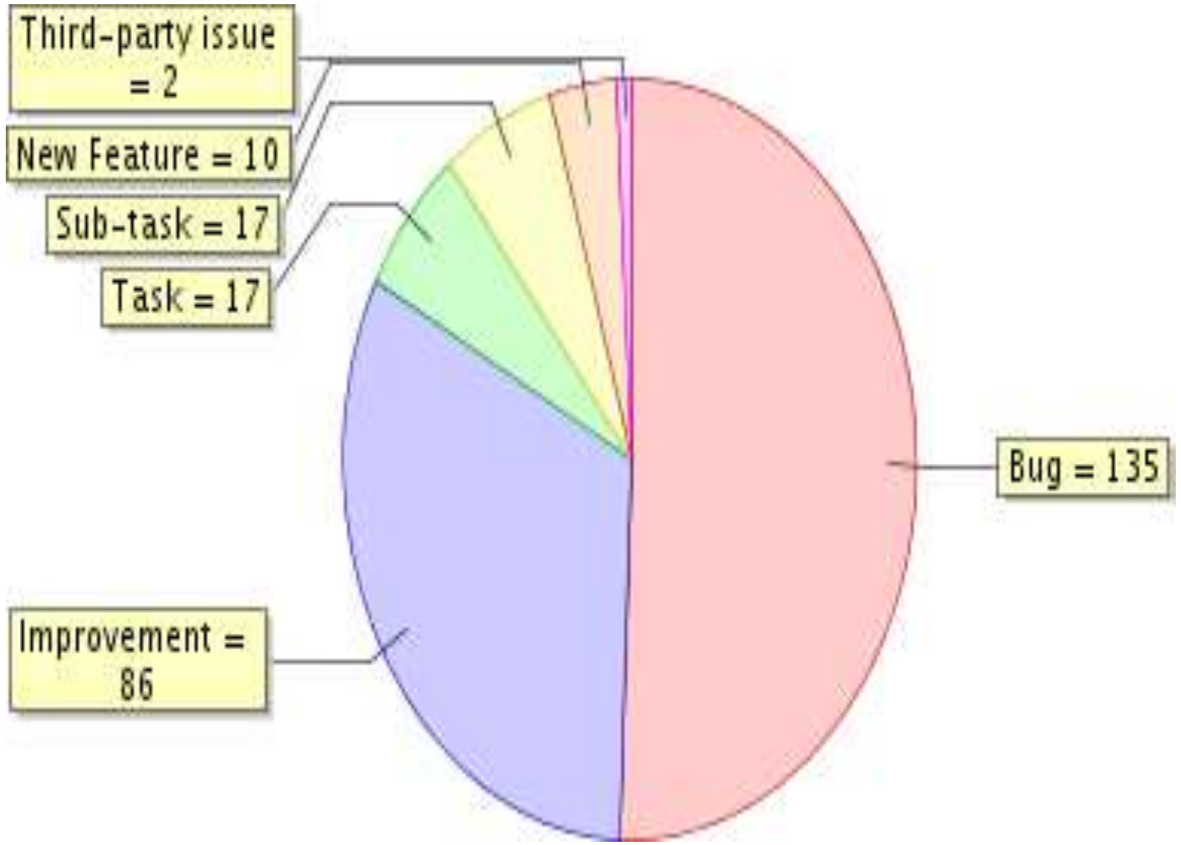


JIRA Features – Issue Creation

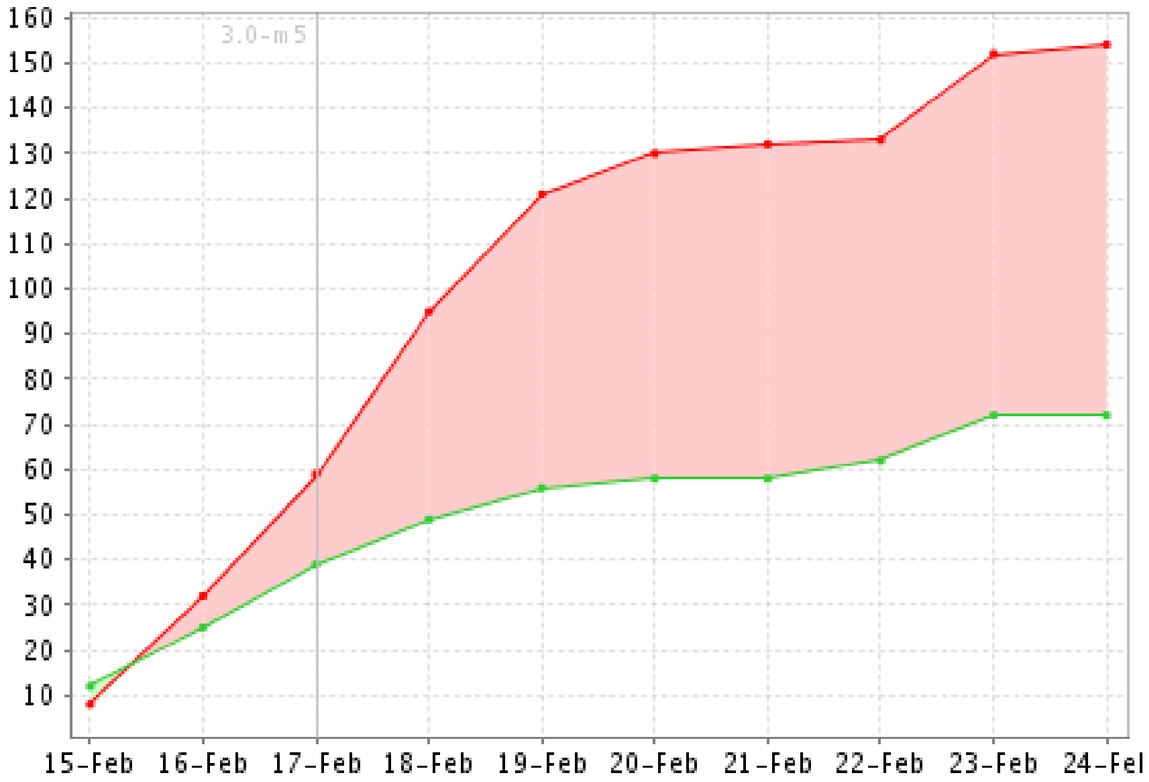
- Creating tasks, bug reports, feature requests, helpdesk tickets, is a breeze
- No need to transcribe issues from emails to Excel worksheet anymore
- Issue can be easily created via
  - Web: Filling the form on the Web page
  - Email: Sending an email to a preconfigured email address
- Allows customizable 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	38		31%
Reopened	1		1%
Resolved	70		58%
Closed	3		2%
Under Review	8		7%
Needs Verification	1		1%

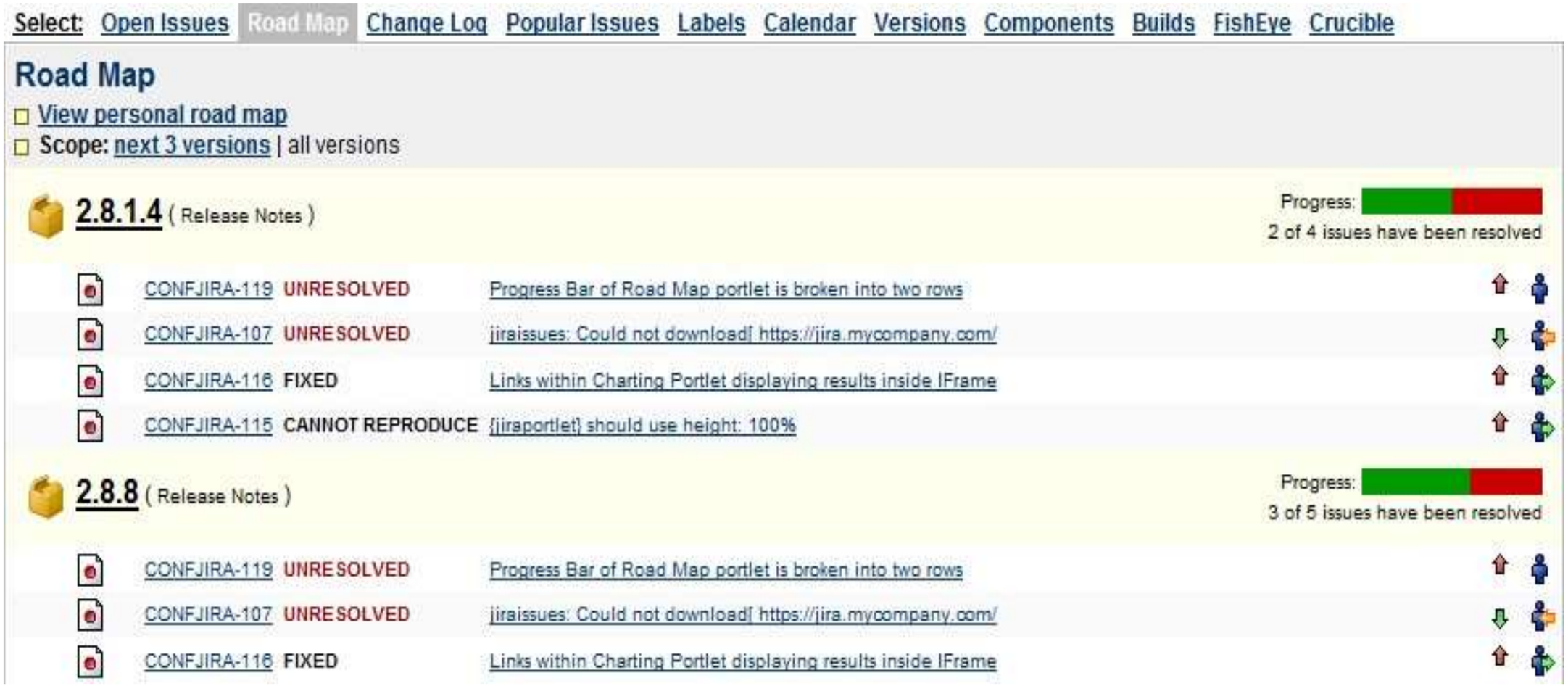
Open Issues

By Priority

Critical	1		2%
Major	25		56%
Minor	18		40%
Trivial	1		2%

Jira Features – Roadmaps

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



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: All projects
Atlassian Activity Stream Plu
Atlassian Log Analysis
Atlassian Maven Plugins
Atlassian Plugin Developme

Issue Type: Any
Standard Issue Types
Bug
Improvement
New Feature

Text Search

Query:

Query Fields: Summary, Description, Comments, Environment

Issue Attributes

Reporter: Any User

Assignee: Any User

Status: Any, Open, In Progress

Resolutions: Any, Unresolved, Fixed

Priorities: Any, 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

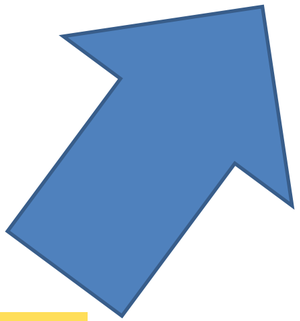
Jira Features – Others

- **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?

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



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