Software Testing & Quality Assurance

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Practical :- 9 To implement bug tracking and reporting using JIRA software.

Introdution of Jira

It's widely used by software development teams to plan, track, and manage software projects. Originally, Jira was designed for bug tracking, but it has evolved to support various agile methodologies like Scrum and Kanban, making it a versatile platform for different project types.

Here's an overview of its main features:

1. **Issue and Task Tracking**: Users can create, assign, and track tasks, bugs, and user stories, helping teams monitor progress and manage workflows.
2. **Project Management**: Jira allows teams to plan sprints, set priorities, estimate time, and visualize project timelines. It supports both Scrum and Kanban methodologies.
3. **Dashboards and Reporting**: Users can create custom dashboards and access detailed reports, such as burn-down charts, velocity charts, and more, for insight into team performance and project progress.
4. **Integration and Automation**: Jira integrates with various tools (like Confluence, Bitbucket, Slack) and provides automation options to streamline repetitive tasks and enhance workflow efficiency.
5. **Customization**: Jira's workflows, fields, permissions, and project configurations can be customized to fit specific team needs and processes.

Jira is used not only by software development teams but also by teams in operations, HR, marketing, and beyond, due to its flexibility and broad range of features.

Installation Of JIRA

Youtube Link :-   https://www.youtube.com/watch?v=K1w1AyoSVAI

Download link:- https://www.atlassian.com/software/jira/d

Refernce Link:- https://www.youtube.com/watch?v=iV3nYF4XfiI

Objective of Practical for the student :-

Generate the bug report using jira and do task management the output should be similar to above **reference link**

Download link for node.js:- **https://nodejs.org/en/download/prebuilt-installer/current**

Katalon installation link :- **https://docs.katalon.com/katalon-studio/cookbooks/mobile-testing-cookbook/mobile-testing-on-a-real-android-device**

Video referemce link :- **https://www.youtube.com/watch?v=qsFXyUNiQFg**