Scrum Development with JIRA & JIRA Agile Concepts

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Agile Development

"Agile software development is a group of software development methods based on iterative and incremental development, where requirements and solutions evolve through collaboration between self-organizing, cross-functional teams"

Scrum

- **Iterative and incremental Agile framework**
- **Managing software projects and product/application dev**
- **Focus**
    - "a flexible, holistic product development strategy where a development team works as a unit to reach a common goal"

    vs.

    - "Traditional, sequential approach"
- **Key principle**
    - Recognize that requirements can change
- **JIRA can help us**

JIRA Agile for Scrum

- **Issue tracker & extensible platform**
- **Prioritize, assign, track, report & audit your tasks (issues)**
- **Projects**
- **Components**
- **Versions (milestones)**
- **Issues**
- **Issue types**
- **Subtasks**
- **And more…**

User Stories, Epics and Themes

- **Theme**
  - Top level objective that spans products/projects
- **User story**
  - Short description of a functionality
  - INVEST: Independent, Negotiable, Valuable, Estimatable, Small, Testable requirement
- **Epic**
  - Collection of stories in the roadmap
- **Task**
  - Punctual to do or action item

Product Owner, Scrum Master, Team Member

- **Product Owner**
  - Final authority on requirements
  - Prioritize backlog and provide clear requirements
- **Team members**
  - Cross functional, autonomous, self organizing
  - Project manager, developer, tester, Swiss Army Knife, CTM, TOC
- **Scrum master**
  - Facilitator, negotiator, responsible for guiding team
  - Removes impediments or finds someone that can

Product Backlog

- **Feature list → User stories**
- **Features, bugs, technical work, information, …**
- **Not required to be complete at the beginning**
- **Prioritized for the…**

Sprint Planning Meeting

- **Committed parties involved**
  - Product owner, team members
- **Other parties can attend as listeners**
- **PO describes highest priorities**
- **Detailed tasks created and assigned**
- **Objectives:**
  - Sprint goal
  - Sprint backlog
- **Looking ahead recommended**

Daily Scrum

- **Moderated by scrum master**
- **15 min, time boxed, usually in the morning/same location**
- **Every attendee**
  - What did you do yesterday?
  - What will you do today?
  - Is there any impediment on your way?
- **Scrum master helps remove impediments**
  - Or find someone who will
- **State of affairs**

Burndown Chart & Velocity

- **Burndown chart**
  - Graphical representation of work pending vs. time left
  - Are you going to make it?
- **Velocity**
  - Amount of work per particular sprint
  - Helpful in planning upcoming sprints
  - Dynamic

Sprint Retrospective

- **Objective: determine ways to improve at end of sprint**
- **Suggestion: (What should we…)**
  - Start doing?
  - Stop doing?
  - Continue doing?
- **Prioritize**
- **Work on improving**

IMPROVE YOUR SKILLS !

Sprint Review

- **Goal: Ship Ready State!**
  - Scrum → Deliver Potentially Shippable Product
- **Hold a meeting to present the outcome**
- **Typically a demo**
- **Assessed towards the sprint goal**

JIRA Agile

- **JIRA's way of Agile project management**
- **Scrum**
    - Create and estimate stories, build and prioritize backlog, team commitment, velocity, …
- **Based on 3 boards:**
    - Planning Board
    - Task Board
    - Chart Board
- **Details soon!**