

Lab 4: Agile Estimation Metrics using Jira Plugin

Objective

The objective of this lab is to learn how to use **Jira plugins** to perform Agile estimation using techniques like **Fibonacci story points**, **Planning Poker**, and **T-shirt size estimation**. This lab focuses on using a Jira estimation plugin (e.g. *Scrum Poker for Jira* or *Agile Poker*) to run interactive, collaborative estimations within a sprint backlog.

Materials Used

- Jira (Cloud or Server)
 - Scrum Poker or Agile Poker Jira plugin
 - Internet browser
 - A project board with user stories or tasks
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Theory

1 Fibonacci Estimation

Jira plugins provide Fibonacci values (1, 2, 3, 5, 8, 13, 21...) as selectable options when estimating story points.

- The gaps in the sequence represent increasing uncertainty as task size grows.
 - Larger numbers are used for more complex or riskier tasks.
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2 Planning Poker

Jira plugins like Scrum Poker allow team members to:

- Select a card privately for a story/task (based on Fibonacci or T-shirt sizes).
- Reveal all estimates simultaneously to prevent bias.
- Discuss and re-estimate if needed to reach consensus.

Planning Poker in Jira integrates directly with the backlog so story points are updated automatically after consensus.

3 T-Shirt Size Estimation

Some Jira plugins support T-shirt sizes (XS, S, M, L, XL) as estimation values.

- Useful for high-level backlog grooming.
 - Allows quick comparison of effort before assigning story points.
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Implementation

Steps using Jira plugin

Set up Jira plugin

- Install a plugin like **Scrum Poker for Jira** or **Agile Poker** from Atlassian Marketplace.

Open sprint backlog in Jira

- Select stories or tasks you want to estimate.

Start estimation session (via plugin)

- Choose estimation mode: Fibonacci story points or T-shirt sizes.
- The plugin will display estimation cards to each participant.
- **Team members vote privately**
- Each team member selects a card value that represents their estimate.

Reveal and discuss

- All estimates are revealed at once.
- If votes vary, the team discusses and re-votes until consensus is reached.

Save estimates

- Final story points (or T-shirt sizes) are saved directly into the Jira issue.
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Example session

Task	Fibonacci Estimation	Planning Poker	T-Shirt Size
Create login page	3	Team consensus: 3	S
Build API integration	8	Team consensus: 8	M
Set up CI/CD pipeline	13	Team consensus: 13	L

Task	Fibonacci Estimation	Planning Poker	T-Shirt Size
Design homepage	5	Team consensus: 5	M

Below are screenshots for a simple Agile Poker estimation

Step1 : Install Jira

Projects

Jira Demo by Aadarsh Baral ...

Summary List **Board** Code Forms Timeline Pages +

Q Search board Filter

TO DO 4

Create login page

☒ CCS-7

Build API integration

☒ CCS-8

Setup CI/CD pipeline

☒ CCS-9

Design Homepage

☒ CCS-10

+ Create

IN PROGRESS

DONE ✓

Step2 : Install the agile poker plugin from store

Showing 57 matches for your query Sort by: Relevance ▾

Agile Poker for Jira - Planning & Estimation

by Appfire

More than planning poker. A flexible toolkit with diverse estimation methods and AI-driven insights for remote or co-located teams

3.7/4 ★★★★★ (107) 2.3k

CLOUD FORTIFIED

Agile Planning Poker, Retrospectives, Daily Standup f...

by DevSamurai

Jira-native tool supports all Scrum Poker Planning, Retros, Daily Standups, and Team Mood- Slack & Microsoft Teams integration

3.5/4 ★★★★★ (80) 979

CLOUD FORTIFIED

Planning Poker for Jira Tasks

by Agile Factory Ltd

Run Asynchronous Planning Poker, Estimate Tasks and User Stories via Survey-based Automation in Slack & MS Teams

4/4 ★★★★★ (20) 407

Agile Toolbox for Jira, Planning Poker, Refinements, Retro

by Liquitim

Prepare refinements, Planning Poker rooms with flexible cards configuration

Smart Guess: Pro Planning Poker for Jira

by Smart Guess

"Smart Guess is the most efficient Planning Poker app we've ever used!" One-click Backlog

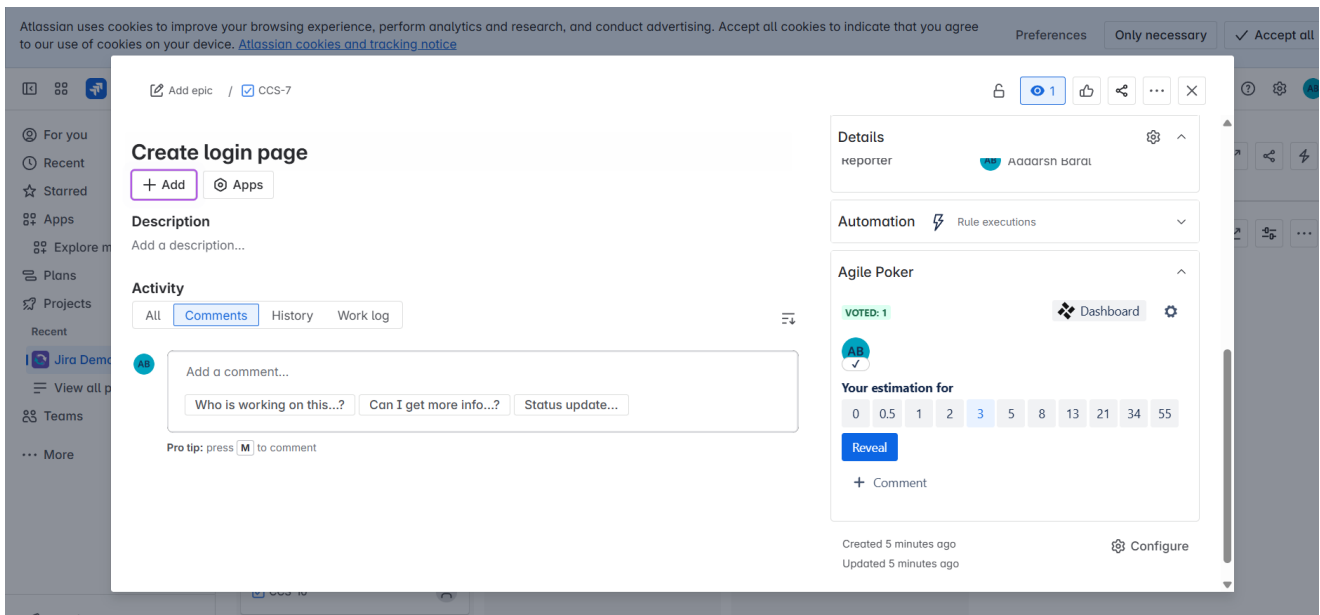
Smart Guess: Free Planning Poker for Jira

by Smart Guess

Transform your refinement meetings with one-click Free Planning Poker

We will be using the **Agile Poker for Jira - Planning & Estimation** plugin

Step3: Scrum Poker estimation session in progress



Here, the team will vote on a specific value. This is based on the Fibonacci series
After all the team members vote, Jira will show a estimation result.

Conclusion

In this lab, I learned how to use Jira plugins to apply Agile estimation techniques. Using tools like Scrum Poker in Jira helps teams estimate more effectively, update the backlog in real time, and promote unbiased, collaborative decision-making.

By completing this lab, I gained experience in:

- Running Planning Poker sessions within Jira
- Applying Fibonacci and T-shirt size estimations using Jira plugins
- Reaching estimation consensus efficiently

Mastering these Jira-based estimation tools improves sprint planning accuracy and team collaboration.