

Scrum – Estimate point to user stories



Criteria for good User stories –> INVEST

Independent

Negotiable

Valuable

Estimate

Small

Testable

Criteria for good Acceptance Criteria—>MARS

Measurable

Attainable

Relevant (should related to User story)

Specific

How to Estimate points to user stories?

Is this box big or small?



How to Estimate points to user stories?

Which one is small?



Relative Estimation method

People are naturally **better** at **relative** estimation **than absolute** estimation

Relative estimation takes **less time** and is **easy to refine**

Easy to explain to others and justify expectations

Estimate the user stories on **Product Backlog**

Compare one story to another

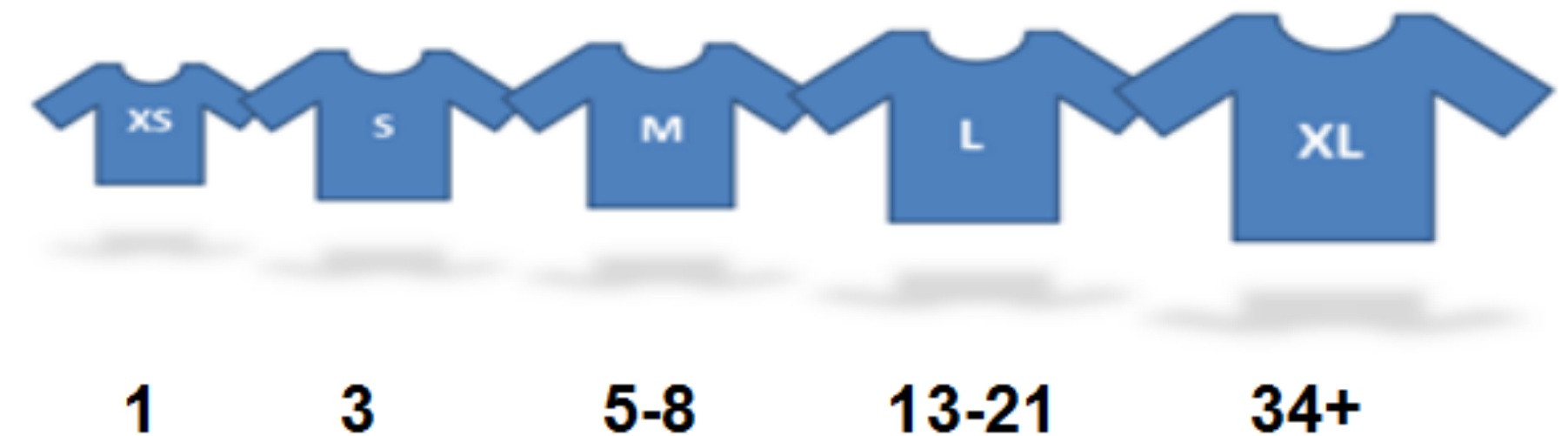
Allows you to select a predictable volume of work to be done in a sprint

Several Relative Estimation methods:

Fibonacci system: 1, 3, 5, 8, 13, 21, 34

T- Shirt size: XS, S, M, L, XL

Liner Scales : 1,2,3,4,5,6,7,8,9,10



How to Estimate points to user stories?

- 1. PO explains the user story*
- 2. Questions & Answer*
- 3. Each person shows a card*
- 4. Discuss Highest and lowest points*
- 5. Vote again in 2nd round if necessary*

Stories points:

- 1. Risk (if I do this now, I could end up broke)*
- 2. Uncertainty (I don't know this, this, and this)*
- 3. Complexity (I need to really think about the approach to this problem)*

Effort = Risk + Uncertainty + Complexity

Stories points:

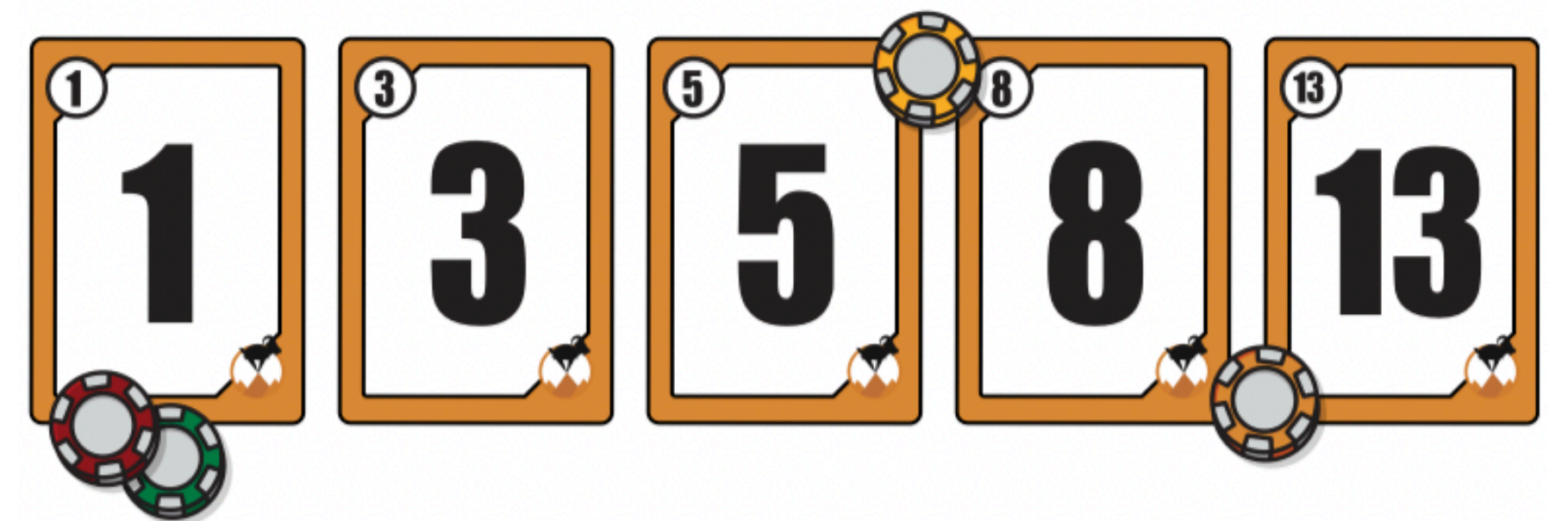
- 1. Risk (if I do this now, I could end up broke)*
- 2. Uncertainty (I don't know this, this, and this)*
- 3. Complexity (I need to really think about the approach to this problem)*

$$\text{Effort} = \text{Risk} + \text{Uncertainty} + \text{Complexity}$$

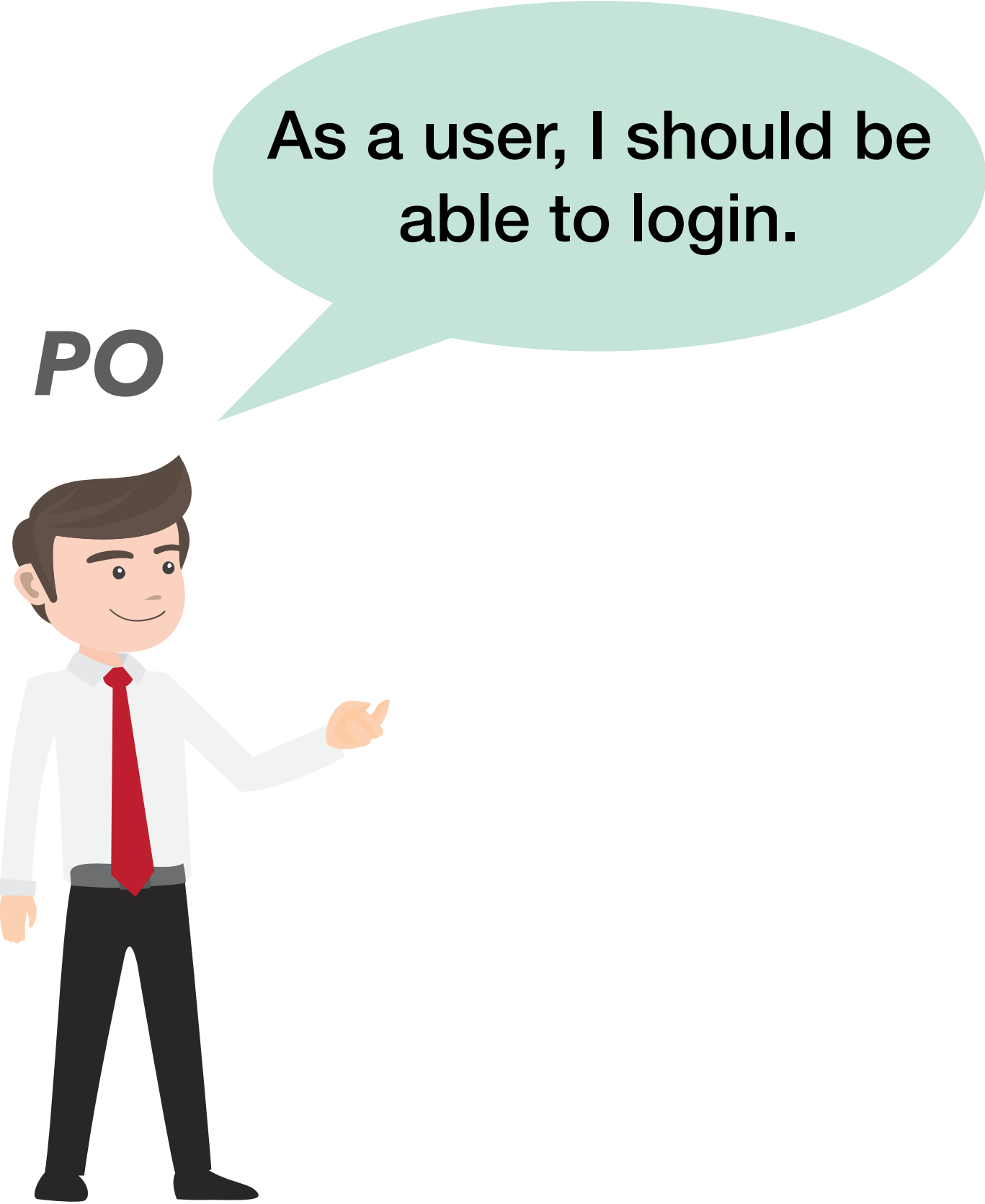
*Because we put in **X amount of effort**, we completed the project in **X amount of time**. (**Cause and Effect**)*

Planning Poker Game:

- ★ *An interactive approach to estimating*
- ★ *Each estimator is given a deck of cards, each card has a valid estimate written on it*
- ★ *Product Owner reads a story and it's discussed briefly*
- ★ *Each estimator selects a cards that's his or her estimate*
- ★ *Re-estimate until estimates converge*



Estimating process



Estimating process

PO

Why you gave 5 points?



I think we need to develop a function that user click if they forgot password as well

Email

the email we have in file

Password

the password you have set first time you activated Okta

☐ Remember me

Sign In

Need Help Signing in?



Estimating process

PO

We will cover that
part separately,



Then I will give 3 points, 2
days to develop and 1 day to
test



Estimating process

PO

We will cover that
part separately,



Then I will give 3 points, 2
days to develop and 1 day to
test

