CAST2018 SEBTE

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Notes for lecture of How to provide an estimation for Testers to stakeholders:

SEBTE: Simple Effective Experience-Based Test Estimation
Email: RobSab@gmail.com
Estimated defined:
- A tentative evaluations or rough calculations.
- Cost.
- A judgment based upon one's impressions; opinion.

Zero information models:
- Never heard of it
- No what it does
- No idea ow it will be used

What to estimate?
- Effort
- Time
- Scope

Why to estimate?
- Key dates and figures
  - Give the estimation when it will be done and show what has been implemented using pictures etc.
- Budgetary
  - Margins etc.
- Planning release milestones
- Competitive bidding
- Coordinate and synchronize
- Investment
  - How much stakeholders will invest
  - How much is PO will to invest
- Peanut butter analogy
  - Take the money and see how you can spread the money through the project just like how you spread peanut butter on bread/cracker.

How to estimate?
- Swag
- WBS
- Ratios
- Widebrand Delphi
- Analytic Models
- Monte Carlo Models
- Story points
- T Shirt Sizing
- Suze complexity models

Moving Target?
- Periodic re estimate
  - Estimate and revise every week
- Converage
- MCConnell Cone of uncertainty

Work Breakdown
- **Objective**
  - What you want to learn about

- **Task**
  - Work done by a person
  - Charter
- **Granularity**
  - SAMPLING RATE
  - SCRUM Alliance
    - 1 hr to 1 day ISH
  - RobSab
    - 1 hr to 2 days ISH

Three Points
- Pert equation = $(Optimistic + Pessimistic + 4\,X\,Typical)/6$

Size	Complexity	Effort
Small	Simple	1
Large	Typical	8
Small	Complex	3
Medium	Simple	3

Size	Complexity	Estimation	Mode	Min	Max
Small	Simple	1.7	1.0	1.0	5.0
	Typical	3.0	3.0	2.0	4.0
	Complex	3.2	3.0	2.0	5.0
Medium	Simple	3.0	3.0	3.0	3.0
	Typical	3.3	3.0	3.0	5.0
	Complex	6.3	6.0	6.0	8.0
Large	Simple	3.8	4.0	2.0	5.0
	Typical	7.0	7.0	6.0	8.0
	Complex	8.8	8.0	6.0	15.0

Team Based
- Wide Band Delphi
- Planning poker

SEBTE:
- Past Due
- Same Team
- After each task capture data
- Estimate based on past data
- Units
  - Hours
  - Sessions
  - Other

What is not here?
- Capital cost
- Depreciation
- Fixed Costs
- Training

CAST2018 Find Bugs before implementation

Quality Process
- Story
- QA kickoff
  - Meeting with Developer and QA
  - Testing Notes
- Implementation
  - Code Review
- QA demo
  - Between QA and dev (not sprint demo)
- Blitz
  - Conflicting issue

Deck cards
- How
  - How to implement
- Where
  - What platform
- When
  - What will happen
- Who
  - Users, Hackers, abuses
- What
  - Platform arch and type of file
- Why
  - Why implement