

Software cost estimation tool demo

For the latest version, go to Moodle course: §Software Quality (Tarkvara kvaliteet)õ
Alternate download: tepandi.ee
Version 16.11.2016

1. You are developing a small-size software system / component
 - 1.1. Propose the customer, supplier, system
 - 1.2. Propose estimation units, eg man-days (full? partial?), man-months, duration, costõ
2. Evaluate yourself or using planning poker
 - 2.1. Each estimator is given one deck of the cards etc, with unit values: 0, ½, 1, 2, 3, 5, 8, 13, 20, 40, 100
 - 2.2. A Moderator, who will not evaluate, chairs the meeting.
 - 2.3. The Product Manager provides a short overview + questions + discussion recorded by the Project Manager
 - 2.4. Each individual lays a card face down representing their estimate. Units can be days duration, ideal days, story points, etc. During discussion, numbers must not be mentioned in relation to feature size to avoid anchoring
 - 2.5. Everyone calls their cards simultaneously by turning them over
 - 2.6. People with high estimates and low estimates justify their estimate
 - 2.7. Repeat the estimation process until a consensus is reached. The developer who was likely to own the deliverable has a large portion of the "consensus vote"
 - 2.8. When the timer runs out all discussion must cease and another round of poker is played
3. Evaluate using Costar
 - 3.1. Install Costar demo, if it is not already installed (<http://www.softstarsystems.com/>), start
 - 3.2. Input size (Costar - Drivers &Size) and other parameters, watch the estimations
 - 3.3. Compare with previous estimation

4. Variations

4.1. Use function points

4.2. Propose cost drivers, e.g. non-functional requirements, team capability, platform experience, use of software tools, etc

4.3. Add more functionality to the system, eg logging, reporting, etc

4.4. Compare

5. See how calibration might be done

(<http://www.softstarsystems.com/calico.htm>)

6. Remark 1: demo version limit is 5000 SLOC. Remark 2: system evaluation tool SystemStar is available on the same website