Reviews & Metries for Product Management

I User studies are a great way to validate that you are croating the right product for your users

Verification

L., when a software product meets all the specified requirements

Neilisation us Validation

Verification_	Validation
Ensures you're building The Product right	Ensures you're building the right product

When a product is validated, the veleased software product satisfies the client

1 Monitoring

Les consists of tracking, reviews, and evaluating the product & the process throughout development

Are a method of measuring something. You can use metrics in development to measure various aspects of the product, the process & the project

1 Feed book

Is information or criticism that is provided to suggest improvements or to offirm that you're on the right track

A sprint review meeting is a meeting that is held at the end of a sprint

It's an opportunity for the development team to demonstrate their product

A Product Owner is responsible for product backlog

A sprint retrospective meeting is where the team's process is reevaluated & discussed

Scrum reles

- 1 Scrum Moster 2 Stakeholders
- 3 Users 4 Dev Team 5 Product Owner

1. Three main events that occur in a sprint review meeting
product domonstration
stakeholder feedback
ITE product Jemo only includes tasks that passed the definition of done
L, cooled, tested, documented, usuble, ready to be released
ITypes of suggestion at the end of the sprint veriew
proise that the product or a feature is on the vight track suggested areas for change or improvement questions, new problems, assumptions
A Sprient review meetings are a great apportunity to
demonstrate hard work increase transportancy gain valuable feedback
A user study can measure the usability of a product

1 usability

Les the measure of "effectiveness", "efficiency", and "satisfaction" with which specified users can achieve goals in particular environments

A common way that user studies are conducted is by having a test participant use he product while being observed & vecorded by experts

A Goal Driven User Study

study validates or whether not the product is allowing a user to achieve the goal.

_, It also reveals the parts of the application which may be hinduring the user from achieving the goal

1 Free form user study

I swhere a user is asked to use the product however they feel

1 User shoodowing user study Ly where you should shadow your user and see what an average day looks like for the user A/B testing user study Les observe you compare two versions of the product against each other. Generally this is done by releasing two very similar products with one feature 1 5 stages of design sprint Les understand, diverge, decide, prototype & validate A Pasign Thinking is focused on identifying people's needs & coming up with solutions to those needs stages [_____ understand, explore, prototype & evaluate A software technical review could be used in creating more vobust designs, farming well defined requirements from a client, or making a number of technical improvements to the code

À	A	soft wave	technical	revie W	is	dis cussion	oriented	&	ব্লেং;বৌ
	of	Three ma	in roles						

Decision Meker

L. responsible for setting the goals of the neview and determining whether those goals have been met

Review Leader

L. mokes sure that the veriew is orderly and on track

Recorder

L. responsible for documenting all the identified issues

At the end of software technical review, a certain goal should've been met

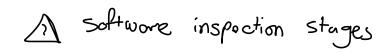
A software inspection is more formal than previous ones

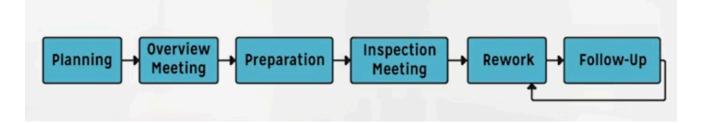
Le the main purpose is to find and fix defects in

a work product, like a set of requirements

for a modular code

1 Soft vorce Inspection roles
author L, who created the software product under the inspection
moderator Like the review leader in software technican review
readers L. responsible for reading the documents to the inspectors
inspectors recorder L. like before, Person who takes notes
A Requirements technical review output
Lefect, errors, or omissions high risk cireus concerns





A lines of code per sprint is a poor metric for assessing software productivity because "lines of code" is a poor measure of the amount of work done

Goal, Question, metric (GQM) is a method of chousing metrics for your software projects

A metric is a quantitative way in which data can be collective to address the quastion you're asking

Objective Metrics

Based on data that does not vely on anyone's indivisual view point or interpretation

L. ex: # of product downloads

1 Subjective Metrics

L, ex: product rottings by users

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is a standard or unit of measurement. Basically, it's

1 Metric

Is The combination of two or more measures, that gives a meaningful result

A Indicators

L. Measures that draw the attention of the Person who is making measurements

A Metrics should be simple & intuitive

Common Categories that one often measured on software projects using metrics

Maintainability

Reliability

Performance

A perect Analysis is a way to assess product quality

The daily scrum is used to monitor progress

L. time boxed: 15 minutes

1 Doily Serum Agenda

what did you accomplish yesterday?

what will you do today?

Are here any impediments in your way?

A scrum Moster is not always responsible for starting The daily session

1 Velocity

In the measure of the number of units of work a term completed in a given time interval

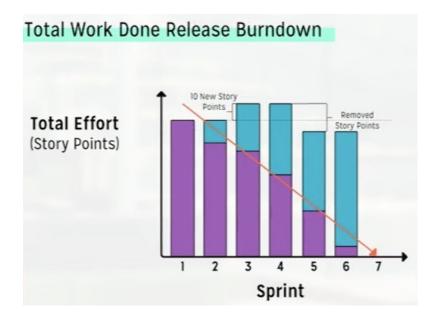
This is commonly measured in story points completed por sprint

A release burndown chart

Lis will show you how much work the derelopment team has completed, how much is left to complete, The team's velocity in each sprint, and when you should expect to finish the product

1. Two common ways to demonstrate changing requirements in a release burndown chart

above the horrs for work remaining



2) by using a adjustable floor



In an iteration burndown, we are tracking the completion of tasks whereas in the release burndown, we're tracking the completion of user stories

A Retrospective

and not done in the project

Project retrospective - postmutem

Sprint vetrospective meeting should be the last event That occurs in the sprint

Sprint vetrospective Questions

Is what went well this sprint?

I what didn't go well this sprint?

I what could we improve for next sprint?