Homework Lesson 7

Kryvoruchenko Angelika

Level 1

1. In your opinion, what is the greatest benefit of using test management systems? Which of their features allow to achieve this benefit?

Support your answer.

Using test management systems benefits companies in many ways. They organize all the processes, make them visible to all users. It also becomes easier to prioritize tasks, by grading them. Test management tools can automatically keep a log of these details for different tests run at different times, which allows them to review anything and to keep track of ongoing tasks. A test management tool can reduce duplication of data which traditionally occurs when requirements, tests, or defects are managed in a silo. It ensures everyone — from business analysts to developers, testers, and QA managers — has one view of the progress being made.Running a manual test through different data sets is often challenging and unproductive as it involves manually trying different sets of data for specific test steps. A test management process can make the process of iterating an existing manual test through a variety of data sets really easy, thereby increasing the coverage of existing manual tests.

Level 2

* Transfer the test cases you created in previous classes to the test management system (TestRail or Azure DevOps).
* Combine them into a test suite and pass it.

<https://angelikakr.testrail.io/index.php?/dashboard>

Project: Homework Lesson 7

Level 3

* We keep on working on a startup for a cat photo sharing app. We decided to introduce a project management and test management system.

Your task is to make a comparative analysis of several systems to choose from (e.g. Jira, Azure DevOps, Asana, Trello, etc.):

- what they can do

- what are the restrictions

- how much it will approximately cost for your project

*(your team consists of ~10 people)*

|  | **what they can do** | **what are the restrictions** | **how much it will cost** |
| --- | --- | --- | --- |
| **Azure DevOps** | version control, reporting, requirements management, project management, automated builds, testing, and release management capabilities. | It has a very large learning curve, because it’s a combination of multiple tools. | 40 dollars per month |
| **TestRail** | is a web-based test management tool used by testers, developers, and other employees to manage, track, and organize software testing activities | it’s useful only for testing or testing related activities, it’s a standalone tool. | 36 dollars per user per month |