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1. Приведите по пять примеров тестов для графического редактора Photoshop, которые относились бы:

а) К уровню Smoke Test (5 примеров).

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Check** | **Result** | **Comment** |
| 1 | Open Photoshop | Ok |  |
| 2 | Create new file | Ok |  |
| 3 | Paint with brush | Ok |  |
| 4 | Save file | Ok |  |
| 5 | Close Photoshop | Ok |  |

б) К уровню Critical Path Test (5 примеров).

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Check** | **Result** | **Comment** |
| 1 | Open extern file | Ok |  |
| 2 | Change size of the picture | Ok |  |
| 3 | Create a new layer | Ok |  |
| 4 | Change layers | Ok |  |
| 5 | Use the rubber | Ok |  |

в) К уровню Extended Test (5 примеров).

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Check** | **Result** | **Comment** |
| 1 | Use Object Rotate Tool | Ok |  |
| 2 | Set Right align text | Ok |  |
| 3 | Use brush Flat Tan 25 | Ok |  |
| 4 | Set Zoom Tool 400% | Ok |  |
| 5 | Set Sepia Tone Style | Ok |  |

2. Приведите пример риска, который может быть отмечен при планировании тестовых испытаний. Дайте рекомендации по недопущению такой ситуации и выходу из неё в случае её возникновения.

**Test Risks**

* + - insufficient staffing resources to test the application in deadlines
    - lack of necessary hardware, software, data or tools
    - changes to original requirements or instructions
    - the number of acceptable defects will be increased
    - the test team will work overtime, this can negatively affect the team spirit
    - the volume of the plan can be changed
    - testing of the application can be simply stopped (an extreme case)

**How to prevent**

o hire new employees

o provide necessary hardware, software, data or tools

o make less changes to original requirements or instructions

o hire more programmers to fix bugs

o make a team-building party

o don't change the volume of the plan too much

o to be in touch with developer's team

3. Перечислите основные секции тестового плана и дайте краткое пояснение того, что размещается в каждой из них.

**Test Plan**

1. Purpose – a brief description of the purpose of the application development.

2. Features to Be Tested - a list of the functional and / or non-functional features of the application to be tested.

3. Features Not To Be Tested – a list of functions and / or non-functional features of the application that will not be tested and reasons why.

4. Test Strategy And Approaches - description of the testing process in terms of the methods, approaches, types of testing, technologies, tools, etc.

5. Item Pass/Fail Criteria – description of conditions for pass and fail of the test.

6. Suspension Criteria And Resumption Requirements – description of conditions for suspension and resumption.

7. Resources – software, hardware, time, people, finance.

8. Test Schedule - calendar, which indicates what and by what point should be done.

9. Roles And Responsibility - list of required roles and area of responsibility.

10. Risk Evaluation - a list of risks that may arise with high probability in the process of working on a project.

10. Documentation -a list of test documentation used, indicating who should prepare it and when, and who to transmit it to.

11. Metrics - numerical characteristics of quality indicators, methods for their evaluation, formulas etc.

13. Approvals – who approves and accepts test cases and project.