**Test cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Identifier | Priority | Title and steps of the test case | Expected Result | Failed by |
| 1. [TLT22QAS-19](https://jira.edu-netcracker.com/browse/TLT22QAS-19) | Normal | **"Instruction" block validation**  1. Start "Daily Prophet" application  Click on "Instructions" block on the main page   1. 2. Scroll down all instructions 2. Select the checkbox to the left of “Я прочитал” and click ‘OK’ button | 1. Block with Instruction for application should be displayed  2. Block with Instruction should be closed, block with theory should became available, block with test should stayed not available |  |
| [TLT22QAS-20](https://jira.edu-netcracker.com/browse/TLT22QAS-20) | Major | **"Theory" block validation**  1. Click on "Theory" block on the main page (with activated "Instructions" block)  2. Scroll down all information  Select the checkbox to the left of “Я прочитал” and click ‘OK’ button | 1. Block with theory information should be displayed  2. Block with theory should be closed, block with test should became available | [TLT22QAS-36](https://jira.edu-netcracker.com/browse/TLT22QAS-36) |
| 1. [TLT22QAS-21](https://jira.edu-netcracker.com/browse/TLT22QAS-21) | Major | **"Test" block validation**  1. Click on "Test" block on the main page after activated "Insructions" and "Theory" blocks  2. Answer 11 question  3. Click to button "Результат" | 1. Block with test should be displayed  2. For every question should be count points  3. Faculty should displayed, "Test" block should be closed | [TLT22QAS-36](https://jira.edu-netcracker.com/browse/TLT22QAS-36) |
| [TLT22QAS-22](https://jira.edu-netcracker.com/browse/TLT22QAS-22) | Major | **Full screen check**  1. Click on icon to expand full screen | 1. Blocks should be displayed correctly | [TLT22QAS-34](https://jira.edu-netcracker.com/browse/TLT22QAS-34) |
| 1. [TLT22QAS-25](https://jira.edu-netcracker.com/browse/TLT22QAS-25) | Major | **"Test" block skip all questions**   1. 1. Click on "Test" block after activated "Instructions" and "Theory" blocks 2. Click button "Следующий" for every question 3. Click button "Результат" | 1. Warning message should be displayed | [TLT22QAS-35](https://jira.edu-netcracker.com/browse/TLT22QAS-35) |
| [TLT22QAS-26](https://jira.edu-netcracker.com/browse/TLT22QAS-26) | Normal | **Closing "Instructions" block**  1. Click on "Instructions" block on the main page Close "Instructions" block | 1. main page should be displayed |  |
| 1. [TLT22QAS-27](https://jira.edu-netcracker.com/browse/TLT22QAS-27) | Normal | **Closing "Theory" block**  1. Click on "Theory" block on the main page Close "Theory" block | 1. main page should be displayed |  |
| [TLT22QAS-28](https://jira.edu-netcracker.com/browse/TLT22QAS-28) | Normal | **Closing "Test" block**  1. Click on "Test" block on the main page Close "Test" block | 1. main page should be displayed |  |
| 1. [TLT22QAS-29](https://jira.edu-netcracker.com/browse/TLT22QAS-29) | Major | **Validation of working in one block only**  1. Turn on "Instuctions" block (select the checkbox to the left of “Я прочитал” and click ‘OK’ button)  Click on "Theory" and "Test" blocks  2. Turn on "Theory" block (select the checkbox to the left of “Я прочитал” and click ‘OK’ button)  Click on "Instructions" and "Test" blocks  3. Turn on "Test" block  Click on "Instructions" and "Theory" blocks | 1. Application shoudnt be allowed to start more than one block  2. Application shoudnt be allowed to start more than one block  3. Application shoudnt be allowed to start more than one block | [TLT22QAS-37](https://jira.edu-netcracker.com/browse/TLT22QAS-37) |
| [TLT22QAS-30](https://jira.edu-netcracker.com/browse/TLT22QAS-30) | Critical | **Validation of chosing one answer only**  1. Turn on "Test" block  Click on all of answers on all questions after selection one answer | 1. Application should not allowed for more than one answer | [TLT22QAS-35](https://jira.edu-netcracker.com/browse/TLT22QAS-35)  [TLT22QAS-39](https://jira.edu-netcracker.com/browse/TLT22QAS-39) |
| 1. [TLT22QAS-31](https://jira.edu-netcracker.com/browse/TLT22QAS-31) | Normal | **Test passing only 5 times**  1. Turn on "Test" block  Pass the test for five times  Click on "Test" block | 1. Application should pass test only 5 times | [TLT22QAS-41](https://jira.edu-netcracker.com/browse/TLT22QAS-41) |
| 1. [TLT22QAS-32](https://jira.edu-netcracker.com/browse/TLT22QAS-32) | Critical | **Validation of scoring the same number of points**  1. Turn on "Test" block  Pass the test with scoring the same number of points for two or more faculties  2. Click on to one of faculties | 1. Should be dispalyed window with selection of faculties  2. Selected faculty should be dispayled | [TLT22QAS-40](https://jira.edu-netcracker.com/browse/TLT22QAS-40) |
| [TLT22QAS-33](https://jira.edu-netcracker.com/browse/TLT22QAS-33) | Critical | **Check return to previous questions**  1. Turn on "Test" block  Answer to first question and click "Следующий"  Click on button "Назад" | 1. points should be removed and should be given the opportunity to respond again | [TLT22QAS-38](https://jira.edu-netcracker.com/browse/TLT22QAS-38) |

**Bug reports**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Identifier | Priority | Title and steps of the defect | Expected Result | Actual Result | Fail |
| 1. [TLT22QAS-34](https://jira.edu-netcracker.com/browse/TLT22QAS-34) | Normal | **When expanded to full screen, the blocks move to the right**  1. Click on expand icon | Window expands correctly | The blocks move to the right | ~~[TLT22QAS-22](https://jira.edu-netcracker.com/browse/TLT22QAS-22)~~ |
| [TLT22QAS-35](https://jira.edu-netcracker.com/browse/TLT22QAS-35) | Major | **Test can be passed without answering questions**  1. Turn on "Test" block  Skip all of questions  Click to button "Результат" | Application should not allowed for more than one answer | Window is displayed for choosing a faculty when gaining the same number of points | [~~TLT22QAS-30~~](https://jira.edu-netcracker.com/browse/TLT22QAS-30)  [~~TLT22QAS-25~~](https://jira.edu-netcracker.com/browse/TLT22QAS-25) |
| 1. [TLT22QAS-36](https://jira.edu-netcracker.com/browse/TLT22QAS-36) | Major | **Test is available without familiarization with the theory**  1. Turn on "Instructions" block  Click on "Test" block | Application should not be allowed to displayed "Test" block | "Test" block will displayed | [~~TLT22QAS-20~~](https://jira.edu-netcracker.com/browse/TLT22QAS-20)  [~~TLT22QAS-21~~](https://jira.edu-netcracker.com/browse/TLT22QAS-21) |
| [TLT22QAS-37](https://jira.edu-netcracker.com/browse/TLT22QAS-37) | Major | **Can work in two windows**  1. Turn on "Theory" block (dont cancel)  Turn on "Test" block | Application should not allowed displayed more than one window | Can work in two windows | [~~TLT22QAS-29~~](https://jira.edu-netcracker.com/browse/TLT22QAS-29) |
| 1. [TLT22QAS-38](https://jira.edu-netcracker.com/browse/TLT22QAS-38) | Critical | **In the "Test" block, you can go back and farm points**  1. Turn on "Test" block  Answer to first question and click button "Следующий"  Return to previos question (click button "Назад") and select new answer | Number of points must reset | Number of points not reset | [~~TLT22QAS-33~~](https://jira.edu-netcracker.com/browse/TLT22QAS-33) |
| [TLT22QAS-39](https://jira.edu-netcracker.com/browse/TLT22QAS-39) | Critical | **You can choose more than one answer**  1. Turn on "Test" block  Go to 5 paragraph  Click on all of answers | Should select only one answer | You can select multiple answers | [~~TLT22QAS-30~~](https://jira.edu-netcracker.com/browse/TLT22QAS-30) |
| 1. [TLT22QAS-40](https://jira.edu-netcracker.com/browse/TLT22QAS-40) | Critical | **Gives the wrong faculty with an equal set of points**  1. Turn on "Test" block  Score an equal number of points for two faculties  Click on "GRYFFINDOR" | Should be displyed "Гриффиндор" | Will be displyed "Слизерин" | [~~TLT22QAS-32~~](https://jira.edu-netcracker.com/browse/TLT22QAS-32) |
| [TLT22QAS-41](https://jira.edu-netcracker.com/browse/TLT22QAS-41) | Normal | **The test can be taken more than 5 times**  1. Turn on "Test" block  Pass the test 5 times  Click on "Test" block | Application should not allowed pass test more than 5 times | Can start the test 6 times | [~~TLT22QAS-31~~](https://jira.edu-netcracker.com/browse/TLT22QAS-31) |

**Test Plan**

**1. Introduction**

There is application “Daily Prophet”, which should by means of a test, show the user the Hogwarts faculty to which he is predisposed. That app should be of interest to fans of the Harry Potter universe.

**2. Scope of work**

**2.1 Components and functions** **to be tested**

|  |  |
| --- | --- |
| Component name | Function name |
| “Instructions” Block | 1. Launch “Instructions” Block  2. Checkbox “Я прочитал”  3. Button “Ок” |
| “Theory” Block | 1. Launch “Theory” Block (with activated “Instructions” Block)  2. Checkbox “Я прочитал”  3. Button “Ок” |
| “Test” Block | 1. Launch “Test” Block (with activated “Instructions” and “Theory” Blocks)  2. Answers to the questions and getting correctly result (faculty)  3. Button “Следующий”  4. Button “Назад”  5. Button “Результат”  6. The possibility of passing the test only 5 times  7. Window with selection of faculties when scoring the same number of points  8. Warning message when answer is skipped  9. Impossibility of choice multiple answers |
| “Daily Prophet” Main Menu | 1. Expand to full screen  2. Exit from blocks  3. Working in one window only |

**2.2 Software used**

Jira, google, Java version (build 1.8.0\_301-b09)

**3. Quality and acceptance criteria**

All necessary artifacts сollected: test cases, bug reports

The product must be free of known bugs with a severity of Critical and Major, as well as bugs with

Priority high at the time of final testing

**4. Critical success factors**

1. Exact deadlines
2. Access to Jira
3. Meet a schedule and complete development and testing of all functionality in term

**5. Risk management**

|  |  |  |  |
| --- | --- | --- | --- |
| Risk | Probability | Impact | Actions |
| Problems in test equipment | M | H | Request to curator |
| PC breakdown | L | VH | Finding a new one and fixing an old one |
| Sickness | M | M | enhanced treatment and work when you are sick |

Legend: L – low, M – medium, H – high, VH – very high

**6. Resources**

**6.1 Test team**

Curator – Mikhail Zhirov

QA Lead – Sergey Kupriyanov

QA engineer – Sergey Kupriyanov

**6.2 Test hardware**

Laptop with Windows 10 (8 GB RAM, processor AMD Ryzen 5 3550)

**6.3 Test tools**

Jira

**7. Test documentation**

Test plan (Microsoft Word), Test cases (Jira, Microsoft Word), Bug reports (Jira, Microsoft Word)

**8. Test strategy**

The “Daily Prophet” application will be tested using a “black box” approach without

knowledge of the internal structure or program source code

**8.1 Entry criteria**

The Testing Team may suspend partial or full-testing activities on a given build if any of the

following occurs:

1. There is a fault with a feature that prevents its testing
2. A severe problem has occurred that does not allow testing to continue

**8.2 Test methods**

Manual functional testing

**8.3 Test types**

Functional, GUI, Unit testing

**8.4 Test levels**

Smoke test, Critical Path test, Extended test