Professional Bachelor  
Applied Informatics

Testing Document

Part of the informatics project   
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Artesis Plantijn College University

TechFlow

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*The purpose of a test plan + test execution is to persuade the reader that the built application is robust and meets predefined criteria. A reader should be able to answer two questions based on these documents. The first question being: "What were the criteria set for building the application", that’s what the test plan is for. In other words: "When do we consider the application to be 'good enough'".  
The intention is that the reader will receive enough information to be able to judge whether these criteria are valid and sufficiently stringent. You don't want the reader to get the impression here that you are making yourself comfortable by setting the bar very low. On the other hand, you do not want to set the bar too high because then it won’t be feasible. You can persuade the reader of this by devising the right tests and the right criteria and by showing that they were drawn up in advance.*

*The second question to be answered is of course: "Given the criteria set, how well did you end up doing it". This is what the test execution is for and this is all about the results of the tests. But it is not enough to simply paste the results into the test plan. You will have to demonstrate that you are able to interpret those results correctly and that you are following them up correctly. If a test fails, you have to document what went wrong and how you finally managed to solve the problem.*

***(Don't forget to remove this and other italicized template text for the document versions ≥ 1.0)***

Inhoud

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# Version Control

| N° | Date | Distribution | Changes |
| --- | --- | --- | --- |
| 0.01 | 2020-03-20 | Dirk Duivel Enan Deire | (first draft) Introduction + project description with unit tests and integration tests |
| 0.01 | 2020-03-14 |  | General UI and API tests added |
| 1.00 | 2020-06-06 | Dirk Duivel Enan Deire Inge Engel | ( final version) Logos added + final check spelling + final adjustments proposed by Enan Deire partly reflected + references adjusted. |

*The version management shows all versions of the document with the associated changes. It also shows who you distributed it to. Why is this necessary? It is important for the reader to know how this document came about and who may have proofread it. Remember that temporary versions are assigned a number 0.x and the first final version must be numbered 1.00.*

# Terms and abbreviations

| Term | Description |
| --- | --- |
| Lorem | Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum lacinia fermentum metus, ut |
| H.S | Hovsep Smbatian |
| SS | Seymanur Sungur |
| IPSUM | Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum lacinia fermentum metus, ut |

*Describe all abbreviations where the terms are not known to all readers here. When an abbreviation is used for the first time in the text, it must be accompanied by the full name. From the second use, only the abbreviation is displayed. Make sure this list is sorted alphabetically.*

# Test results overview

*Here is a summary list listing all generated, planned and executed test results. Only add the “Tester” column if it does not always contain the same value (this also applies to all columns in all tables). Unit tests - or other types of tests that are very numerous - can best be grouped under one heading. Make sure everything remains legible. So don't use lengthy codes. Sort according to “Date executed” and keep the overview clear by providing max. 1 line of text per row (so no wrapping). The code must be unique. Expected number of rows: 15-40.*

| Code | Short description | Tester | Created on | Executed on | Result |
| --- | --- | --- | --- | --- | --- |
| API\_01\_1 | API testing get all report | H.R. | 2020-04-24 | 2020-04-27 | OK |
| API\_01\_2 | API testing get all report | H.R. | 2020-04-24 | 2020-05-08 | OK |
| API\_02\_1 | API testing add a report | H.R. | 2020-04-24 | 2020-04-27 | OK |
| API\_02\_2 | API testing add a report with image | H.R | 2020-04-24 | 2020-04-30 | NA |
| API\_02\_3 | API testing add a report with image | H.R. | 2020-04-24 |  |  |
| Frontend\_01\_1 | Http service method test to get all data | H.S | 2020-05-11 | 2020-05-12 | OK |
| API\_03\_01 | API testing get all report by id | S.S | 2020-05-12 | 2020-05-12 | OK |
| Frontend\_02\_1 | Http service method test to create data | H.S | 2020-05-14 | 2020-05-14 | OK |
| Frontend\_03\_1 | See all created reports on reportlist and details (web/mobile) | H.S | 2020-05-14 | 2020-05-14 | OK |
| Frontend\_03\_2 | Filter created reports on reportlist (web/mobile) | H.S | 2020-05-14 | 2020-05-14 | OK |
| Frontend\_03\_3 | Reportlist screen scaling tests (web/mobile) | H.S | 2020-05-14 | 2020-05-14 | OK |
| Frontend\_03\_4 | Use the menu from the reportlist page | H.S | 2020-05-14 | 2002-05-14 | OK |
| Frontend\_04\_1 | Use website on internet explorer | H.S | 2020-05-14 | 2020-05-14 | NOK |
| Frontend\_04\_2  Frontend\_04\_3 | Use website on microsoft edge  Use website on firefox | H.S  H.S | 2020-05-14  2020-05-14 | 2020-05-14  2020-05-14 | OK  OK |
| Frontend\_04\_4 | Use website on google chrome | H.S | 2020-05-14 | 2020-05-14 | OK |
| Frontend\_04\_5 | Use website on opera | H.S | 2020-05-14 | 2020-05-14 | OK |
| Frontend\_04\_6 | Use website on safari | H.S | 2020-05-14 | 2020-05-14 | OK |
| Frontend\_05\_1 | Automaticly create a new report with image upload using leapwork | H.S | 2020-05-15 | 2020-05-15 | OK |
| Frontend\_05\_2 | Automaticly create a new report without image upload using leapwork | H.S | 2020-05-15 | 2020-05-15 | OK |
| Frontend\_05\_3 | Try and write more than 400 characters on description | H.S | 2020-05-15 | 2020-05-15 | OK |
| Frontend\_05\_4 | Create a report without giving any info | H.S | 2020-05-15 | 2020-05-15 | OK |
| Frontend\_06\_1 | Create task without any info | H.S | 2020-05-15 | 2020-05-15 | OK |
| Frontend\_06\_2 | Automaticly create task using leapwork | H.S | 2020-05-15 | 2020-05-15 | OK |
| Frontend\_06\_3 | Automaticly filter tasks in tasklist | H.S | 2020-05-15 | 2020-05-15 | OK |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| *(Possibly a caption for this table)* | | | | | |

# Test result details

*Here is a brief sheet for each test performed. For each planned but not performed test, you must justify why this test was not performed. For unit tests or other types of tests that are very numerous and would suffocate this document, it is sufficient to illustrate a typical example from the list. Remember to use the criteria (including coverage ratio) as defined above under the § Test strategy> Criteria. Refer to the tests using the unique code from the overview. Expected number of sheets: 15-40.*

## API test

### API\_01\_1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | Tester | Created on | Executed on | Result | |
| API testing get all report | H.R. | 2020-04-24 | 2020-04-27 | OK | |
| Expected result | Actual result | | | |
| Returns a list of reports, using a status | Returns a list of reports | | | |

### API\_01\_2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| API testing get all report  Status replaced by id | | H.R. | 2020-04-27 | 2020-05-08 | OK |
| Expected result | Actual result | | | | |
| Returns a list of reports, using a report id | Returns a list of reports | | | | |

### API\_02\_1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| API testing add a report.  Only the report is tested, without image | | H.R. | 2019-04-24 | 2019-04-27 | OK |
| Expected result | Actual result | | | | |
| Create a report without an image | Create a report | | | | |

### API\_02\_2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| API testing add a report | | H.R. | 2019-04-24 | 2019-04-30 | OK |
| Expected result | Actual result | | | | |
| Create a report with an image and store in filesystem | Create a report with an image | | | | |

### API\_02\_3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| API testing add a report | | H.R. | 2019-04-01 |  |  |
| Expected result | Actual result | | | | |
| Create a report with an image and store in database | / | | | | |

Frontend\_01\_1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Http service method test to get all objects | | H.S | 2020/05/11 | 2020/05/12 | OK |
| Expected result | Actual result | | | | |
| Returned objects should equal to mocked objects | /returned objects are equal to mocked objects | | | | |

Frontend\_02\_1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| HTTP service method test to create data | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| Used method is a post and should return the message success | The method is a post and returned the message success | | | | |

### API\_03\_1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| API testing get report by id | | S.S. | 2019-05-012 |  |  |
| Expected result | Actual result | | | | |
| Get a report by given id | / Returned correct report with an id | | | | |

## Interface tests

Frontend\_03\_1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| See all created reports on reportlist and details (web/mobile) | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| See all created reports on the screen with the correct details | All created reports are shown on the screen and the details | | | | |

Frontend\_03\_2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Filter created reports on reportlist (web/mobile) | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| Correct reports show up based on chosen filter | The correct reports show up | | | | |

Frontend\_03\_3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Reportlist screen scaling tests (web/mobile) | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| UI changes based on size of screen | The ui changes | | | | |

Frontend\_03\_4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Use the menu from the reportlist page | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| Being able to access any page from the report list page | Correct access to any page from the menu | | | | |

Frontend\_04\_1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Use website on internet explorer | | H.S | 2020/05/14 | 2020/05/14 | NOK |
| Expected result | Actual result | | | | |
| See the layout of all pages and created reports | Nothing is shown on the screen including the reports | | | | |

Frontend\_04\_2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Use websiten microsoft edge | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| See the layout of all pages and created reports | Shows the layout of the page and created reports | | | | |

Frontend\_04\_3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Use website on firefox | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| See the layout of all pages and created reports | Shows the layout of the page and created reports | | | | |

Frontend\_04\_4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Use website on google chrome | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| See the layout of all pages and created reports | Shows the layout of the page and created reports | | | | |

Frontend\_04\_5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Use website on opera | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| See the layout of all pages and created reports | Shows the layout of the page and created reports | | | | |

Frontend\_04\_5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Use website on opera | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| See the layout of all pages and created reports | Shows the layout of the page and created reports | | | | |

Frontend\_04\_6

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Use website on safari | | H.S | 2020/05/14 | 2020/05/14 | OK |
| Expected result | Actual result | | | | |
| See the layout of all pages and created reports | Shows the layout of the page and created reports | | | | |

Frontend\_05\_1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Automaticly create a new report with image upload using leapwork | | H.S | 2020/05/15 | 2020/05/15 | OK |
| Expected result | Actual result | | | | |
| Report gets created and shown in reportlist | New report shows up in reportlist | | | | |

Frontend\_05\_2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Automaticly create a new report without image upload using leapwork | | H.S | 2020/05/15 | 2020/05/15 | OK |
| Expected result | Actual result | | | | |
| See the layout of all pages and created reports | Shows the layout of the page and created reports | | | | |

Frontend\_05\_3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Try and write more than 400 characters on description | | H.S | 2020/05/15 | 2020/05/15 | OK |
| Expected result | Actual result | | | | |
| I get stopped at the 400th character | It stopped me at the right amount | | | | |

Frontend\_05\_4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Create a new report without any info | | H.S | 2020/05/15 | 2020/05/15 | OK |
| Expected result | Actual result | | | | |
| Error message | Error message | | | | |

Frontend\_06\_1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Create task without any info | | H.S | 2020/05/15 | 2020/05/15 | OK |
| Expected result | Actual result | | | | |
| Error message | Error message | | | | |

Frontend\_06\_2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Create task without any info | | H.S | 2020/05/15 | 2020/05/15 | OK |
| Expected result | Actual result | | | | |
| Error message | Error message | | | | |

Frontend\_06\_3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Automaticly create task using leapworks | | H.S | 2020/05/15 | 2020/05/15 | OK |
| Expected result | Actual result | | | | |
| Task created and shown in tasklist | Task created and shown in tasklist | | | | |

Frontend\_06\_4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Short description | | Tester | Created on | Executed on | Result |
| Automaticly filter the tasks in tasklist | | H.S | 2020/05/15 | 2020/05/15 | OK |
| Expected result | Actual result | | | | |
| Show the right tasks based on chosen filter option | The correct tasks have been chosen | | | | |

# Conclusion

*Summarize the results of the tests here in 3-10 sentences. Include the risk analysis and try to estimate to what extent the application was sufficiently covered. What should still be done (for example before going into production) to ensure proper operation.* ***Do not describe here what your personal experiences with testing are, but only base on the facts.*** *Allow enough time for this decision to be written because it is a very important paragraph for the reader. The expected number of characters (including spaces): 1000 - 3000.*

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse tincidunt pretium molestie. Sed nec massa et nunc venenatis sollicitudin quis eu odio. Orci varius natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Vestibulum in accumsan diam. Sed consequat, nisl et lacinia viverra, lectus eros aliquam risus, id blandit risus lectus nec nisi. Curabitur molestie mauris at lacus commodo, in condimentum dolor consequat. Nullam non luctus velit. Pellentesque vel dolor dictum, consequat velit sit amet, porttitor sem. In nibh urna, ultricies ac viverra ut, vestibulum id eros. Fusce pretium, libero non consequat varius, nisi purus dictum est, ac condimentum tellus elit non nibh.

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# Literature

|  |  |
| --- | --- |
| [1] | Jan, A. (2015-04-12). The title of this work. Collected from <http://xxxxxxxxx>. |
| [2] | Peter, S. (2012). Title of Peter’s work. *Journal of Infinitesimal Results 46*(2), 123-134. |