CSyllabus

Acceptance Test Plan

**Version** 0**.**2

**Revision History**

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 2017-11-05 | 0.1 | Initial Draft | Matej Vukosav |
| 2017-11-26 | 0.2 | Add test T-C1 | Matej Vukosav |
| 2017-12-07 | 0.3 | Improving | Sebastian Mayoral |
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# **Introduction**

## **Purpose of this document**

The purpose of this document is to determine if the requirements are met (Requirements available in document Requirements Definition). Additionally, give a set of instructions that could be used by someone to test the software functionalities.

## **Document organization**

The document is organized as follows:

* Section 1, *Introduction,* describes contents of this guide, used documentation during developing process etc.
* Section 2, *Test description,* describes rules tests and describes what will they define
* Section 3, *List of tests*, detailed list of each required test
* Section 4, *Test coverage*, describes project test coverage

## **Intended Audience**

The intended audience is:

* Project team
* Customer
* Product owner

## **Scope**

This document will outline the overall plan for test activities to be performed. Each test will be described detailed enough so that someone else could carry out the test based on these instructions.

## **Definitions and acronyms**

### *Definitions*

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| **Keyword** | **Definitions** |
| FER | Faculty of electrical engineering and computing |
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### *Acronyms and abbreviations*

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| **Acronym or**  **abbreviation** | **Definitions** |
| **NTR** | Nothing to Report.  There is no information to a specific topic available or necessary. |
| **USx** | User story with number #x from Requirements definition document |

## **References**

This document refers to the Project Plan, Requirements and Design Description documents.

# 2. Test description

Each test will define detailed instructions how to carry out the test and how test results are measured (pass/fail and what is the criteria). Tests will be related to requirements document (with relevant requirement ID and/or name to reference the particular requirement). Each test will contain: test id, test name, tested requirements, pass/fail criteria definition, test description and context (if needed) and test procedure (steps for conducting the test). For system to be ready for production all tests must be positive. The fail of just one test determine that the system is not ready for production.

# 3. User stories

User stories are copied from Requirement document for reference purpose in test list.

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| **ID** | **Name** | **User Story** |
| US1 | Syllabus search | As a student I want to search for syllabi by name, faculty or country. |
| US2 | Syllabus details | As a student I want to see syllabi details, so I can see what it contains. |
| US3 | Course details | As a student I want to see details of course so I can see what they offer |
| US4 | Faculty details | As a student I want to see details of faculty, so I can know more about faculty. |
| US5 | Syllabi compare | As a student I want to compare my syllabi with other syllabuses |
| US6 | Country and faculty choose | As a student I want to choose country and faculty I am studying at, so I can choose my own courses for comparison |
| US7 | Best faculty | As a student I want to see which are the best faculties for my chosen courses of interest. |
| US8 | Similar faculty | As a student I want to see which faculties are most similar to my own, so I can see what is my best option |
| US9 | Relevant subjects | As a student I want to see other subjects that are relevant for me |
| US10 | Destination country and faculty | As a student I want to choose destination country and faculty, so I can compare my courses with them. |
| US11 | Recommended courses | As a student I want to see recommended courses, so I can maybe come to know something new |
| US12 | Course comments | As a student I want to comment and evaluate a course |
| US13 | Syllabus share | As a student I want to share a syllabus in social media so others can see it |
| US14 | Add syllabus to database | As a Professor I want to have option to add new syllabi to the database so that database can expand |
| US15 | Personal profile | As a Professor I want to have a profile with my personal data. |
| US16 | Most searched data | As a Professor I want to know what is the most searched faculty, subject and tag |
| US17 | Statistics in a graphic format | As a Professor I want to see statistics data in graphic format. |
| US18 | Guest view | As a Guest I want to see the main functionalities without an account |

# 3. List of tests

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| **Test ID** | **T-E1** |
| **Test Name** | Test explorer show courses |
| **Tested requirements** | US1, US9 |
| **Pass/fail criteria definition** | Pass criteria:   * When the application shows the courses related with the inputs, User get at least one course.   Fail criteria:   * User did not get any course or data |
| **Test description and context (optional)** | User will test explorer search when all mandatory fields are entered. This test should be executed using inputs that search courses present in the database of csyllabus. If the keywords are not consistent with the available information, the test to be done will be **T-E2** |
| **Test procedure (steps for conducting the test)** | 1. Go to the page *EXPLORE & COMPARE* 2. Select the Tab *Explorer* 3. In the field *Search for Keywords* enter keyword: ***”Machine Learning”*** (This keyword gives good results, but could be another or more than one keyword) 4. In the field *Where do you want to study?* Enter a country or select from the autocomplete, for example ***“Croatia”.*** (The background will change to one image related with the country selected) 5. The field *Any specific City?* will appear 6. **Optional:** In the field *Any specific City?* Enter a City or select from the autocomplete, for example ***“Zabreg”.*** The field *How about University?* will appear 7. **Optional:** In the field *How about University?* Enter a University or select from the autocomplete, for example ***“University of Zabreg”.*** The field *Any Specific Faculty?* will appear 8. **Optional:** In the field *Any Specific Faculty?* Enter a Faculty or select from the autocomplete, for example ***“Faculty of electrical engineering and computing”.*** 9. Press the button *Explore* or the key *Enter* 10. User will see at least one result for given criteria. |

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| **Test ID** | **T-E2** |
| **Test Name** | Test explorer empty data |
| **Tested requirements** | US1 |
| **Pass/fail criteria definition** | Pass:   * User will get message showing there is no results for given search parameters   Fail   * User will not see message telling there is no data |
| **Test description and context (optional)** | User will test explorer search when there is no results for given search criteria. The condition to carry out this test is use inputs that don't match with the information available in the database. However, User has to entry values to the inputs. If User does not fill out the inputs, the test case will be **T-E3** |
| **Test procedure (steps for conducting the test)** | 1. Go to the page *EXPLORE & COMPARE* 2. Select the Tab *Explorer* 3. In the field *Search for Keywords* enter keyword: ***”Erlang”*** (This keyword does not give results, but could be another or more than one undesirable keyword) 4. Country input is shown 5. In the field *Where do you want to study?* Enter a country or select from the autocomplete that does not contain the wanted courses in the database, for example***: “Sweden”.*** (It could be a different combination of keywords and countries with no results). 6. Optional: City 7. Optional: University 8. Optional: Faculty 9. Press the button *Explore* or the key *Enter* 10. User will see message telling there is no data available for given search data |

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| **Test ID** | **T-E3** |
| **Test Name** | Test explorer missing mandatory fields warning |
| **Tested requirements** | US1 |
| **Pass/fail criteria definition** | Pass:   * User is warned that he needs to fill all mandatory fields   Fail   * There is no message shown to user telling that mandatory fields should be filled |
| **Test description and context (optional)** | User will test explorer search when not a single one or all mandatory fields are entered. |
| **Test procedure (steps for conducting the test)** | 1. Go to the page *EXPLORE & COMPARE* 2. Select the Tab *Explorer* 3. Press the button *Explore* or the key *Enter* 4. Warning message is shown 5. Enter at least one keyword (e.g. “**Erlang**”) 6. Press the button *Explore* or the key *Enter* 7. Warning message is shown 8. Erase the keywords 9. Enter whatever combination of Country, City, University and Faculty without a keyword 10. Press the button *Explore* or the key *Enter* 11. Warning message is shown |

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| **Test ID** | **T-RE1** |
| **Test Name** | Test explorer results details |
| **Tested requirements** | US1,US2 |
| **Pass/fail criteria definition** | Pass:   * User can see the details of the courses in a dialog   Fail   * User can not see the details of the courses |
| **Test description and context (optional)** | User will test explorer results when he wants to see the details of the syllables. For testing this functionality, User has already obtained results using explorer |
| **Test procedure (steps for conducting the test)** | 1. Scroll down the page after doing a searching (**TE-1**) 2. Select a course and click on it 3. A dialog will appear with the information about the course. The information should be: Title, Description, University, Faculty, Level of studies, Semester, Number of ECTS, English Level and a link to the Single course page (Referring to the **TRE-2**) |

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| **Test ID** | **T-RE2** |
| **Test Name** | Test explorer results single course page |
| **Tested requirements** | US3, US13 |
| **Pass/fail criteria definition** | Pass:   * User can see a single course page and can share it using its link.   Fail   * Does not appear a single page for the course |
| **Test description and context (optional)** | User will test explorer results when he wants to see more details about the course and possibly to share it. For testing this functionality, User has already obtained results using explorer and sawn the details dialog |
| **Test procedure (steps for conducting the test)** | 1. Click in the link or attachment icon after open the syllables details (**TRE-1**) 2. A new window will open with the url corresponding to the course. 3. The page should contain the information about the course. The information should be: Title, Description, University, Faculty, Level of studies, Semester, Number of ECTS, English Level, Comments, Last date modified and Created date. 4. User Could share the page using the URL. |

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| **Test ID** | **T-C1** |
| **Test Name** | Comparison for single course |
| **Tested requirements** | US5,US6 |
| **Pass/fail criteria definition** | Pass:   * user enters all data * user gets result for comparison   Fail   * user get no data for comparison |
| **Test description and context (optional)** | User enters data about his home faculty to be compared with faculties of his country wished.  If User does not fill out the minimum fields, referring to test ***T-C3***  Specific Example: User from Croatia want to study in Italy. |
| **Test procedure (steps for conducting the test)** | 1. Go to the page *EXPLORE & COMPARE* 2. Choose Comparator tab 3. **Enter valid data on source side:**  * Home university: ***“University of Zagreb”*** * Home faculty: ***Faculty of electrical engineering and computing*** * Program: ***Computer Engineering - graduate*** * Course: ***Advanced Computer Networks***  1. **Enter valid data on destination page**  * Where do you want to study: ***Italy*** * Any specific city: ***L’Aquila*** * How about university: ***University of L’Aquila*** * Any specific faculty? - ***leave empty***   **4. Press Compare**  **5. Compared courses are shown**  . |

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| **Test ID** | **T-C2** |
| **Test Name** | Comparison more than one course |
| **Tested requirements** |  |
| **Pass/fail criteria definition** | Pass:  Fail |
| **Test description and context (optional)** |  |
| **Test procedure (steps for conducting the test)** | . |

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| **Test ID** | **T-C3** |
| **Test Name** | Test comparator missing mandatory fields warning |
| **Tested requirements** | US5,US6 |
| **Pass/fail criteria definition** | Pass:   * User is warned that he needs to fill all mandatory fields   Fail   * There is no message shown to user telling that mandatory fields should be filled |
| **Test description and context (optional)** | User will test Comparator when not a single one or all mandatory fields are entered. |
| **Test procedure (steps for conducting the test)** | 1. Go to the page *EXPLORE & COMPARE* 2. Select the Tab *Comparator* 3. Press the button Compare or the key *Enter* 4. Warning message is shown 5. Enter whatever combination of destination fields: Country, City, University and Faculty without origin fields. 6. Press the button Compare or the key *Enter* 7. Warning message is shown 8. Erase the destination fields 9. Enter whatever combination of origin fields like Home University, Faculty, Program and Course 10. Press the button *Explore* or the key *Enter* 11. Warning message is shown |

# 4. Test Coverage

In a current version of Acceptance Test Plan described tests coverage out of 18 user stories.