3.1 Use Cases

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| Use Case Name: | Add Student Score(s) to Metric | | |
| Created By: | AbdulRahman Alduraiweesh | Last Updated By: | AbdulRahman Alduraiweesh |
| Date Created: | 10/9/2017 | Date Last Updated: | 10/9/2017 |

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| Actors: | Faculty member |
| Description: | A faculty member enters a student score, or multiple students’ scores, to a metric. |
| Trigger: | Faculty member has created a metric and wants to enter student scores for the metric |
| Preconditions: | 1. Faculty member is within a course offering which (s)he is teaching and has created a metric for the offering by entering a description of the metric, its maximum number of points and at least one outcome which it measures 2. There is at least one student in the course offering |
| Post conditions: | 1. The score(s) entered are stored in StOut |
| Normal Flow: | 1. **Enter a single score.**   4.1 Faculty member inputs the number of points a student earned on the metric.   * 1. Faculty indicates “save”   2. The percentage(s) for the score(s) have been updated   3. A message informing the user that the scores were saved is displayed |
| Alternative Flows: | **5.0 Faculty member enters multiple scores (branch before step )**  5.0a Faculty member has a list of newline separated values in the clipboard  5.0b Faculty member inputs these scores (return to step 2)  **5.1 User indicates “reset” to undo recent edits (branch after step 1)**  5.1a User indicates “reset”  5.1b Entered information is set back to previous values (return to step 1) |
| Exceptions: | **1.0.E.1 Illegal score is entered (branch after step 1)**  1a. The score is a negative number or non-numeric  1b. The score is higher than the maximum number of points  2a. The system indicates that the score is illegal and does not allow score to be saved (return to step 1)  2b. The score is set to the maximum number of points (return to step 2)  **1.0.E.2 User navigates away from page (branch after step 2)**  1. The user navigates away from page after entering one or more scores and before indicating “save”  2. System warns that entered information will be lost and allows the user to stay or go  3a. User stays (return to step 2)  3b. User goes (use case is terminated)  **1.1.E.1 Number of scores do not match the number of students in the offering (after step 2)**  1. The system indicates that the number of scores do not match the number of students and no scores are recorded (return to step 1) |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Number of metrics\*number of students\*number of offerings each semester. |
| Business Rules: | Metric scores cannot exceed the maximum number of points |
| Special Requirements: | None |
| Assumptions: | * For entering multiple grades at once, the order of student names in StOut matches the order of the names in the grade source * Multiple grades will be entered via the clipboard |
| Notes and Issues: | * This use case corresponds to requirement FC7 |

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| Use Case Name: | Add/remove students from course offering | | |
| Created By: | AbdulRahman Alduraiweesh | Last Updated By: | AbdulRahman Alduraiweesh |
| Date Created: | 10/9/2017 | Date Last Updated: | 10/9/2017 |

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| Actors: | Faculty member |
| Description: | Faculty member adding or removing students from offering |
| Trigger: | A student has added or dropped the course and the faculty would like to have the Stout updated accordingly |
| Preconditions: | 1. Faculty member is within a course offering which (s)he is teaching and has created a metric for the offering by entering a description of the metric, its maximum number of points and at least one outcome which it measures 2. There is at least one student in the course offering |
| Post conditions: | 1. The student is added or removed |
| Normal Flow: | 1. **Removing a single student.**    1. Faculty indicates which student is to be removed    2. Faculty indicates “save”    3. The roster would be updated    4. Feedback to the user indicating success |
| Alternative Flows: | * 1. **Adding a single student.**   2. Faculty looks up student to add.   5.2Faculty indicates “save” to commit changes. |
| Exceptions: | **1.0.E.2 User navigates away from page (branch after step 2)**  1. The user navigates away from page after adding or removing students and before indicating “save”  2. System warns that entered information will be lost and allows the user to stay or go  3a. User stays (return to step 2)  2b. User goes (use case is terminated) |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Depends on the number of students joining or leaving the offer class. |
| Business Rules: |  |
| Special Requirements: | None |
| Assumptions: |  |
| Notes and Issues: | * This use case corresponds to requirement FC4 |

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| Use Case Name: | Export a list of students from a course offering | | |
| Created By: | AbdulRahman Alduraiweesh | Last Updated By: | AbdulRahman Alduraiweesh |
| Date Created: | 10/9/2017 | Date Last Updated: | 10/9/2017 |

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| Actors: | Faculty member |
| Description: | Faculty are able to export a list of students from a specific course offering which they teach |
| Trigger: | Faculty member would like to have a list to be used as a grading sheet. |
| Preconditions: | 1. Faculty member is logged into Stout |
| Post conditions: | 1. A list of students |
| Normal Flow: | * 1. **Requesting list**   2. Faculty navigates to the offering that contains the required list   3. Faculty uses provided link to output names   4. User chooses a directory for comma separated name list to be outputted to |
| Alternative Flows: |  |
| Exceptions: | **1.0.E Empty list**  **1.1** If offering selected has no students, feed back would be given to the user indicating that when list is requested.(return to step 1) |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Depends on how many Faculty use the name list as part of their pipeline. |
| Business Rules: |  |
| Special Requirements: | None |
| Assumptions: |  |
| Notes and Issues: | * This use case corresponds to requirement FC1 |

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| Use Case Name: | Add metric to a course offering | | |
| Created By: | ESOF 486 | Last Updated By: | AbdulRahman Alduraiweesh |
| Date Created: | 10/9/2017 | Date Last Updated: | 10/9/2017 |

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| Actors: | Faculty member |
| Description: | Faculty are able to add a Metric to a desired offering |
| Trigger: | Metrics are added to give a more accurately show performance of students in a particular area |
| Preconditions: | 1. Faculty member is logged into Stout |
| Post conditions: | 1. New metric added to the list of metrics |
| Normal Flow: | * 1. **Requesting new metric to be added**   2. Faculty navigates to the offering a new metric is desired   3. Faculty prompts the Stout to add a new metric and is directed to the correct page.   4. Faculty will add a textual description and fill out the needed fields.   5. Faculty indicates “save” |
| Alternative Flows: |  |
| Exceptions: | **1.0.E Empty Offering**  **1.1** If offering selected has no students, feed back would be given to the user indicating that when list is requested.(return to step 3.1)  **2.0.E Empty or invalid field**  2.1 If a field is filled out incorrectly or has an invalid character, feedback is sent stating the field and the issue whilst keeping the correct fields intact (return to step 3.1) |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Depends on how frequent the metrics of an offering needs to be changed. |
| Business Rules: |  |
| Special Requirements: | None |
| Assumptions: |  |
| Notes and Issues: | * This use case corresponds to requirement FC4 |

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| Use Case Name: | Edit metric of course offering | | |
| Created By: | AbdulRahman Alduraiweesh | Last Updated By: | AbdulRahman Alduraiweesh |
| Date Created: | 10/9/2017 | Date Last Updated: | 10/9/2017 |

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| Actors: | Faculty member |
| Description: | Faculty are able to edit a Metric to a desired offering |
| Trigger: | Metrics are able to be edited by Faculty to keep up with any changes or fix an error |
| Preconditions: | 1. Faculty member is logged into Stout |
| Post conditions: | 1. Required metric edited and saved |
| Normal Flow: | **3.0 Requesting metric to be edited**  3.1 Faculty navigates to the offering where metric needs to be edited.  3.2 Faculty prompts the Stout to edit a new metric and is directed to the correct page.  3.3 Faculty will edit the desired fields  3.4 Faculty indicates “save”. |
| Alternative Flows: |  |
| Exceptions: | **1.0.E Empty Offering**  **1.1** If offering selected has no students, feedback would be given to the user indicating that when list is requested.(return to step 3.1)  **2.0.E Empty or invalid field**  2.1 If a field is filled out incorrectly or has an invalid character, feedback is sent stating the field and the issue whilst keeping the correct fields intact (return to step 3.1) |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Depends on how frequent the metrics of an offering needs to be changed. |
| Business Rules: |  |
| Special Requirements: | None |
| Assumptions: |  |
| Notes and Issues: | * This use case corresponds to requirement FC5 |

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| Use Case Name: | Delete metric of course offering | | |
| Created By: | AbdulRahman Alduraiweesh | Last Updated By: | AbdulRahman Alduraiweesh |
| Date Created: | 10/9/2017 | Date Last Updated: | 10/9/2017 |

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| Actors: | Faculty member |
| Description: | Faculty are able to delete a Metric to a desired offering |
| Trigger: | Metrics are able to be deleted if it is no longer used or if it was added by mistake |
| Preconditions: | 1. Faculty member is logged into Stout |
| Post conditions: | 1. Required metric deleted and changes are saved |
| Normal Flow: | **3.0 Requesting metric to be deleted**  3.1 Faculty navigates to the offering where metric needs to be edited.  3.2 Faculty prompts the Stout to delete a specific metric and is directed to the correct page.  3.3 Faculty chooses desired metric  3.4 Faculty indicates “save”. |
| Alternative Flows: |  |
| Exceptions: | **1.0.E User navigates away from page before saving**  **1.1** Feedback is provided to the user warning that his changes have not been saved and will not be saved the page is closed. |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Depends on how frequent the metrics of an offering needs to be changed. |
| Business Rules: |  |
| Special Requirements: | None |
| Assumptions: |  |
| Notes and Issues: | * This use case corresponds to requirement FC6 |

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| Use Case Name: | Viewing student outcome performance | | |
| Created By: | AbdulRahman Alduraiweesh | Last Updated By: | AbdulRahman Alduraiweesh |
| Date Created: | 10/9/2017 | Date Last Updated: | 10/9/2017 |

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| Actors: | Faculty member |
| Description: | Faculty are able to view the current performance of students in an offering |
| Trigger: | Faculty should be able to view students and how they are progressing in regards to the metrics |
| Preconditions: | 1. Faculty member is logged into Stout 2. Faculty navigates to the offering required for viewing |
| Post conditions: | 1. Page is viewed with the correct requested data |
| Normal Flow: | **4.0 Requesting scores to be viewed**  4.1 Faculty request a performance view of the offering. |
| Alternative Flows: | 5.0 Requesting scored to be viewed for different semester than the default  5.1 Faculty changes the semester before navigating to the offering in which would desired to view |
| Exceptions: |  |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Depends on the instructors own pipeline |
| Business Rules: |  |
| Special Requirements: | None |
| Assumptions: |  |
| Notes and Issues: | * This use case corresponds to requirement FC9 |