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| UC01 | Login |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 1.1 | Validate user credentials and allow user specific privileges to the system. | User is logged in. | | Pass |  |  |
| 1.2 | System gets an invalid username/password. | “ Please enter a valid username or password” | | Fail | 2,3 |  |
| 1.3 | System gets an input that is not in the database | “ Your username is not in the database” | | Fail | 2,3 |  |

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| UC02 | Logout |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 2.1 | Terminate the session of the user interacting with the  system, no longer provide the user his or her personal  data. | User is logged out. | | Pass |  |  |

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| UC03 | Update Personal Information |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 3.1 | User can change his/her username. | User’s username is changed | | N/A |  | This function has been scoped out |
| 3.2 | User can change his/her password | User’s password i changed | | N/A |  | This function has been scoped out |
| 3.3 | User can change his/her address | User’s address is changed | | N/A |  | This function has been scoped out |
| 3.4 | User can change his/her email address | User’s email address is changed | | N/A |  | This function has been scoped out |
| 3.5 | User can change his/her phone number | User’s phone number is changed | | N/A |  | This function has been scoped out |

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| UC04 | Review Course History |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 4.1 | Review student’s course history which includes the semesters taken and student’s grades. | User sees course history. | | N/A |  | This function has been scoped out |

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| UC05 | View Degree Audit |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 5.1 | Review list of completed courses and remaining  courses to be taken in order to graduate. | User sees course audit list. | | N/A |  | This function has been scoped out |

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| UC06 | Choose Course Preferences |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 6.1 | Class time preference | Class time preferences are saved. | | Pass |  |  |
| 6.2 | Class day preference | Day preferences are saved | | Pass |  |  |
| 6.3 | Semester preference | Semester preferences are saved. | | Pass |  |  |

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| UC07 | Search Courses |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 7.1 | User inputs valid course number and id. | The searched course is displayed along with its course code and name, and its description. | | Pass |  |  |
| 7.2 | User inputs invalid course number or id. | “The course specified is not in our directory. Please try again.” | | Pass |  |  |

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| UC08 | View Course Description |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 8.1 | See course instructor, sections, session time,  requisites. | Course information is displayed. | | Pass |  |  |
| 8.2 | There is no course description for a course. | “No course description” | | Pass |  |  |

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| UC09 | Generate Schedules |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 9.1 | User can view the different semesterly schedules  offered to him or her. | One or more schedules are generated  according to user’s specifications. | | Pass |  |  |
| 9.2 | Successfully checks for requirements before generating | Checks if the student has satisfied all prerequisite requirements | | Fail | 9 |  |

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| UC10 | Generate Sequences |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 10.1 | User can view the different course sequences offered  for their remaining semesters until graduation. | One or more sequences are generated  according to user’s specifications. | | N/A |  | This function has been scoped out |
| 10.2 | Checks if all preceding semesters fulfill the prerequisite requirements for the upcoming semester. | Checks for each semester if its requirements have been fulfilled in the previous semesters. | | N/A |  | This function has been scoped out |

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| UC11 | Save schedule |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 11.1 | User can save generated schedule. | Schedule is saved to user profile. | | Pass |  |  |

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| UC12 | View Saved Schedules |  |  | |  |  |
| ID | Description | Expected Output | | Result | Bug ID | Comments |
| 12.1 | Student views previously saved schedules. | Student sees saved schedules. | | Fail | 12 |  |
| 12.2 | Student views current generated schedules. | Student sees generated schedules. | | Pass |  |  |

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| **UC13 - View Student Schedule** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 13.1 | Student sees their current semester schedule. | Student sees current schedule. | N/A |  | This function has been scoped out |

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| **UC14 - Print Schedule** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 14.1 | User prints their current schedule, generated schedule, or saved schedule. | User’s schedule is printed. | N/A |  | This function has been scoped out |
| 14.2 | User has no schedule | “No schedule to print” | N/A |  | This function has been scoped out |

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| **UC15 - Create Course** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 15.1 | Faculty Admin creates a new course. | Course is added | N/A |  | This function has been scoped out |
| 15.2 | The course does not exist | “The course does not exist in the directory | N/A |  | This function has been scoped out |

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| **UC16 - Remove Course** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 16.1 | Faculty Admin removes a course. | Course is removed. | N/A |  | This function has been scoped out |
| 16.2 | The course does not exist | “The course does not exist in the directory” | N/A |  | This function has been scoped out |

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| **UC17 - Update Course** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 17.1 | User edits the description of a course. | The specified course’s information is updated. | N/A |  | This function has been scoped out |

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| **UC18 - Create User** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 18.1 | System Admin creates a user of the system. | A new user is created. | N/A |  | This function has been scoped out |

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| **UC19 - Remove User** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 19.1 | System Admin removes a user from the system. | The user is removed from the system. | N/A |  | This function has been scoped out |
| 19.2 | The user doesn’t exist | “The user does exist in the database” | N/A |  | This function has been scoped out |

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| **UC20 - Update User** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 20.1 | System Admin updates a user’s information. | The user information is updated. | N/A |  | This function has been scoped out |
| 20.2 | The user doesn’t exist | “The user does not exist in the database | N/A |  | This function has been scoped out |

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| **UC21 - View User** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 21.1 | Admin searches for a valid student id or name | System Admin sees user information. | N/A |  | This function has been scoped out |
| 21.2 | Admin searches for an invalid student id or name | “No user found” | N/A |  | This function has been scoped out |

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| **UC22 - Update Course Grades** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 22.1 | User is logged in and is the professor of the selected course. | Students’ grades in the selected class are updated | N/A |  | This function has been scoped out |

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| **UC23 - View Professor Schedule** | | | | | |
| ID | Description | Expected Output | Result | Bug ID | Comments |
| 23.1 | Professor views the schedule of the course they are teaching. | Professor sees their current schedule. | N/A |  | This function has been scoped out. |
| 23.2 | No courses scheduled for the professor | “No courses to be taught this semester” | N/A |  | This function has been scoped out |