|  |  |
| --- | --- |
| UC Reference Name/Number: UC1: Sign in | |
| Overview | Allow a user to sign in to the system using their credential. |
| Related use cases: | Sign in as Student, Sign in as Admin |
| Actors: | User (Student, Admin) |
| Pre Conditions | The user must have a valid account. |
| Post Conditions | The user is authenticated and signed in. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC2: Sign in as Student | |
| Overview | Allows a student to sign in to the system using their credentials. |
| Related use cases: | Sign in, Add Course, Search Course, View Cart, Rate Course |
| Actors: | Student |
| Pre Conditions | The student must have a valid account. |
| Post Conditions | The student is authenticated and signed in. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC3: Sign in as Admin | |
| Overview | Allows an admin to sign in to the system using their credentials. |
| Related use cases: | Sign in, Create New Course, Update Course, Remove Course |
| Actors: | Admin |
| Pre Conditions | The admin must have a valid account. |
| Post Conditions | The admin is authenticated and signed in. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC4: Add Course | |
| Overview | Allows a student to add a course to their cart. |
| Related use cases: | Sign in as Student |
| Actors: | Student |
| Pre Conditions | The student is signed in and viewing courses. |
| Post Conditions | The course is added to the cart. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC5: Search Course | |
| Overview | Allows a student to search for courses by name or professor. |
| Related use cases: | Sign in as Student, Search By Course Name, Search By Professor Name |
| Actors: | Student |
| Pre Conditions | The student is signed in. |
| Post Conditions | The search results are displayed. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC6: View Cart | |
| Overview | Allows a student to view the courses in their cart. |
| Related use cases: | Sign in as Student, Delete Course, Validate Course |
| Actors: | Student |
| Pre Conditions | The student is signed in. |
| Post Conditions | The cart contents are displayed. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC7: Rate Course | |
| Overview | Allows a student to rate a completed course. |
| Related use cases: | Sign in as Student |
| Actors: | Student |
| Pre Conditions | The student has completed the course. |
| Post Conditions | The course rating is updated. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC8: Create New Course | |
| Overview | Allows an admin to add a new course to the system. |
| Related use cases: | Sign in as Admin |
| Actors: | Admin |
| Pre Conditions | The admin is signed in. |
| Post Conditions | The new course is added to the system. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC9: Update Course | |
| Overview | Allows an admin to update details of an existing course. |
| Related use cases: | Sign in as Admin |
| Actors: | Admin |
| Pre Conditions | The admin is signed in. |
| Post Conditions | The course details are updated. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC10: Remove Course | |
| Overview | Allows an admin to remove a course from the system. |
| Related use cases: | Sign in as Admin |
| Actors: | Admin |
| Pre Conditions | The admin is signed in. |
| Post Conditions | The course is removed from the system. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC11: Delete Course | |
| Overview | Allows a student to delete a course from their cart. |
| Related use cases: | View Cart |
| Actors: | Student |
| Pre Conditions | The student is viewing their cart. |
| Post Conditions | The course is removed from the cart. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC12: Validate Course | |
| Overview | Allows a student to validate their course schedule for conflicts. |
| Related use cases: | View Cart |
| Actors: | Student |
| Pre Conditions | The student is viewing their cart. |
| Post Conditions | The validation result of the course schedule is shown. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC13: Search by Course Name | |
| Overview | Allows a student to search for courses by course name. |
| Related use cases: | Search Course |
| Actors: | Student |
| Pre Conditions | The student is searching for courses. |
| Post Conditions | The search results for course name are displayed. |

|  |  |
| --- | --- |
| UC Reference Name/Number: UC14: Search by Professor Name | |
| Overview | Allows a student to search for courses by professor name. |
| Related use cases: | Search Course |
| Actors: | Student |
| Pre Conditions | The student is searching for courses. |
| Post Conditions | The search results for professor name are displayed. |