

**Team Camassia**

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# Team Camassia Use Cases

For Registration System Update 1.1.0

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## Use Case List

<b>Primary Actor</b>	<b>Use Cases</b>
Student	Requests Override- <i>Sarah</i>
Student	Searches for Classes - <i>Brady</i>
Student	Adds Classes to Cart- <i>Sam</i>
Student	Bookmarks Classes - <i>Sarah</i>
Student	Registers for Classes from Cart - <i>Brady</i>

## Use Case 1

UC ID and Name:	ID: 1 Name: Student Requests Override		
Created By:	Sarah Callaway	Date Created:	1/26/22
Primary Actor:	Student	Secondary Actors:	Professor
Trigger:	Student clicks 'Request prerequisite override'		
Description:	The student requests a prerequisite override from the professor.		
Preconditions:	PRE-1 User is registered in system		

	<p>PRE-2 User has been verified and is logged in</p> <p>PRE-3 User's prior coursework does not contain a required prerequisite course, or the coursework is stored in a way that the system does not recognize.</p> <p>PRE-3 Student has attempted to register for a course without an automatic override</p>
Postconditions:	<p>POST-1 Prerequisite override is flagged or declined on student account for a specific course</p> <p>POST-2 A transaction of the request and the result is displayed in the student's account.</p> <p>POST-3 IF approved: student is registered for the requested course.</p>
Normal Flow:	<p>1.0 Student Requests Prerequisite</p> <ol style="list-style-type: none"> <li>1. Student click 'Request prerequisite override'</li> <li>2. System returns a dialogue box that allows student to enter free text with an explanation as to why they are requesting the override</li> <li>3. Student enters appropriate reasoning</li> <li>4. Student clicks send</li> <li>5. System sends message to the professor with the student's name, student record number, major, advisor, and the message entered by the student</li> <li>6. System displays that student does not meet prerequisites, and that a message has been sent to the instructor and that the student must then wait for the instructor to manually override the prerequisites or contact them</li> <li>7. Professor is given the option to open dialogue via email with the student about the prerequisite before declining or approving the override</li> <li>8. Professor decides whether prerequisite override is appropriate</li> <li>9. Professor clicks 'grant override request'</li> <li>10. System flags student's account as having obtained an override for the requested course</li> <li>11. Student is registered for course</li> <li>12. System sends the student an email with a message that the instructor has granted an override and the student is now registered</li> </ol>
Alternative Flows:	<p>1.1 Professor declines prerequisite override request</p> <ol style="list-style-type: none"> <li>1. Student click 'Request prerequisite override'</li> <li>2. System returns a dialogue box that allows student to enter free text with an explanation as to why they are requesting the override</li> <li>3. Student enters appropriate reasoning</li> <li>4. Student clicks send</li> <li>5. System sends message to the professor with the student's name, student record number, major, advisor, and the message entered by the student</li> <li>6. System displays that student does not meet prerequisites, and that a message has been sent to the instructor and that the student must then wait for the instructor to manually override the prerequisites or contact them</li> <li>7. Professor is given the option to open dialogue via email with the student about the prerequisite before declining or approving the override</li> <li>8. Professor decides whether prerequisite override is appropriate</li> <li>9. Professor clicks "decline prerequisite override request"</li> <li>10. System displays an optional prompt, allowing the professor to input free text regarding why they have opted to decline the request</li> <li>11. System sends a message to the student stating that the request was declined and an email stating the same</li> </ol>

	<p>12. No change to the student account as the student will need to complete the prerequisite</p> <p>1.2 Student emails request to professor</p> <ol style="list-style-type: none"> <li>1. Student finds professor's email</li> <li>2. Student sends a prerequisite override request to professor</li> <li>3. Professor determines appropriateness of request</li> <li>4. Professor looks student up in system</li> <li>5. Professor clicks on student</li> <li>6. Professor clicks on the pertinent class</li> <li>7. Professor clicks on 'grant student a prerequisite override' or 'decline prerequisite override'</li> <li>8. System flags student as being able to register for the class</li> <li>9. A message is sent to the student stating their request has been approved or declined</li> </ol>
Exceptions:	<p>1.0.E1 Course has multiple prerequisites</p> <ol style="list-style-type: none"> <li>1. Student clicks on 'prerequisite override'</li> <li>2. System queries student regarding which prerequisite they need an override for</li> <li>3. Student may select multiple prerequisites</li> <li>4. System sends 1 message with all override requests included to professor</li> <li>5. Flow continues as in 1.0</li> </ol> <p>1.0.E2 Prerequisite override request is unable to be sent</p> <ol style="list-style-type: none"> <li>1. Student clicks on prerequisite override</li> <li>2. System returns that the request is unable to be sent</li> <li>3. System recommends student email professor and offers professor's email address or try again later</li> <li>4. Student may email professor, initiating sequence 1.1 or may attempt to initiate flow 1.0 at a later time</li> </ol>
Priority:	Medium
Frequency of Use:	Moderate frequency (based on student registration)
Business Rules:	BR1.0 Prerequisite overrides must be approved by professor
Other Information:	None
Assumptions:	<ul style="list-style-type: none"> <li>• Existence of a professor portal system which can receive the requests and send new request alerts to the professor's email.</li> <li>• Student advisors may request prerequisite override from professors on students behalf</li> </ul>

## Use Case 2

UC ID and Name:	ID: 2 Name: Student Searches for Classes		
Created By:	Brady Esplin	Date Created:	1/26/22
Primary Actor:	Student	Secondary Actors:	Advisor, Class Database, Degree Tracks, Cart List, Interest List, Bookmarks
Trigger:	Student inputs text to search bar and submits		
Description:	The student specifies the parameters with which to search the classes database to retrieve information that they desire such as classes available, instructor information, class schedule, CRN, credit hours, etc.		

Preconditions:	PRE-1 User is registered in system PRE-2 User has been verified and is logged in PRE-3 User Degree Tracks is active
Postconditions:	POST-1 System displays search results for student POST-2 Systems offers student different workflow options
Normal Flow:	2.0 Student Searches for Classes 13. Student specifies database search terms 14. System checks each result against students completed classes 15. Systems lists search results for student 16. System indicates if student meets prerequisites for each listed class 17. System offers search refinement options 18. System gives student option to add class(es) to Cart List 19. System gives student option to add class(es) to Interest List 20. System gives student option to add class(es) to Bookmarks 21. System offers deeper information on specific class(es) by CRN
Alternative Flows:	2.1 Student has been given link to class information by Advisor or Faculty 1. Student clicks on link in email while registered in system and verified 2. Registration System opens up in a new browser tab 3. System lists matching class descriptions by CRN 4. System gives student option to add class(es) to Cart List 5. System gives student option to add class(es) to Interest List 6. System gives student option to add class(es) to Bookmarks 7. System offers deeper information on specific class(es) by CRN
Exceptions:	2.0.E1 Student search terms return no results 1. System displays message indicating no matches to student 2. System offers student ability to retype search terms 2.1.E1 Link does not lead to matching class by CRN 1. System displays message indicating no matches to student 2. System offers student ability to manually type search terms
Priority:	High
Frequency of Use:	Approximately 3-30 times per term by each student.
Business Rules:	N/A
Other Information:	N/A
Assumptions:	Student or Student Assistant can read and type American English

## Use Case 3

UC ID and Name:	ID: 3 Name: Student Adds Classes to Cart		
Created By:	Sam Petty	Date Created:	1/26/22
Primary Actor:	Student	Secondary Actors:	Advisor, Class Database, Degree Tracks, Cart List
Trigger:	Student selects a class		
Description:	Student selects a class they wish to register for.		
Preconditions:	PRE-1 User is registered in system PRE-2 User has been verified PRE-3 User Degree Tracks is active		
Postconditions:	POST-1 Student is register for the class		
Normal Flow:	3.0 Student Adds Classes to Cart		

	<ol style="list-style-type: none"> <li>1. Student selects class from class search</li> <li>2. Student presses “Add Class to Cart” button on user interface</li> <li>3. Class is added to list for applying to registration</li> </ol>
Alternative Flows:	<p>3.1 Student Adds Bookmarked Classes to Cart</p> <ol style="list-style-type: none"> <li>1. Student imports classes from bookmarked list of classes</li> <li>2. Classes are added to the list for applying to registration</li> </ol> <p>3.2 Student Adds Future Classes to Cart</p> <ol style="list-style-type: none"> <li>1. Student selects a class from a saved list of future classes.</li> <li>2. Student presses “Add Class to cart” button on user interface</li> <li>3. Class is added to the list for applying to registration</li> </ol>
Exceptions:	None
Priority:	High
Frequency of Use:	1-3 times per term
Business Rules:	None
Other Information:	Cart needs to store information between sessions.
Assumptions:	Use case assumes student is enrolled at WOU

## Use Case 4

UC ID and Name:	ID: 4 Name: Student Bookmarks Classes		
Created By:	Sarah Callaway	Date Created:	1/26/22
Primary Actor:	Student	Secondary Actors:	Advisor
Trigger:	Student selects “add class to bookmark list”		
Description:	Student adds future courses to book-mark list		
Preconditions:	PRE-1 User is registered in system PRE-2 User has been verified and is logged in		
Postconditions:	POST-1 Course is saved to bookmarks		
Normal Flow:	4.0 Student adds class to bookmark List <ol style="list-style-type: none"> <li>1. Student searches for class</li> <li>2. Student clicks add to bookmarks</li> <li>3. System adds class to bookmark list</li> <li>4. Updates to bookmark list are saved</li> </ol>		
Alternative Flows:	<p>4.1 Student removes class from bookmark list</p> <ol style="list-style-type: none"> <li>1. Student opens bookmark list</li> <li>2. Student selects class from bookmark list</li> <li>3. Student clicks remove from bookmark list</li> <li>4. System removes class from bookmark list</li> <li>5. Updates to bookmark list are saved</li> </ol> <p>4.2 Bookmarked course will be available to take next term</p> <ol style="list-style-type: none"> <li>1. When official courses list for upcoming term is published system will run a check against student bookmark courses</li> <li>2. If course appears both in student bookmarked courses as well as upcoming term course list system sends automated message informing student that the course will be available next term</li> <li>3. Message will have option to add to upcoming registration short form or to keep course in bookmarks</li> </ol>		
Exceptions:	4.1.E1 Bookmark list unable to update <ol style="list-style-type: none"> <li>1. Student searches for class</li> </ol>		

	<ol style="list-style-type: none"> <li>2. Student selects add to bookmark list</li> <li>3. System returns error unable to update bookmark list please try again later</li> </ol> <p>4.1.E2 class in bookmark list is no longer available</p> <ol style="list-style-type: none"> <li>1. System runs regular check against student bookmark list to see if any classes have been added to no longer available list</li> <li>2. System removes any courses that are on both student bookmark lists and on no longer available lists</li> <li>3. System sends automated message to students stating that the course they had bookmarked is no longer available</li> </ol>
Priority:	Low
Frequency of Use:	Medium to high
Business Rules:	<ul style="list-style-type: none"> <li>● BR2.0 Certain courses will be removed from WOU and others may be added as WOU changes faculty and departmental focus</li> <li>● BR3.0 Student accounts that have amounts owing will not be cause to delete the bookmarked courses</li> </ul>
Other Information:	None
Assumptions:	<ul style="list-style-type: none"> <li>● Students may bookmark courses which they have not had the prerequisites completed for</li> <li>● Bookmark lists will not be deleted out in cases of nonpayment or dropping courses</li> <li>● Bookmarked lists will have a term date of one year not registering for courses or within six months if graduating</li> <li>● Specific incomplete courses necessary for graduation will automatically be added to the bookmark list (e.g., discrete math one and two for CS majors)</li> <li>● Student advisors may add classes to student bookmark lists</li> </ul>

## Use Case 5

UC ID and Name:	ID: 5 Name: Student Registers for Classes from Cart		
Created By:	Brady Esplin	Date Created:	1/26/22
Primary Actor:	Student	Secondary Actors:	Advisor, Class Database, Degree Tracks, Cart List, Interest List, Bookmarks, Professor
Trigger:	Student presses Register for Classes button while viewing Cart List contents		
Description:	The student has decided to register for the classes that are currently in the Cart List, and clicks on the button labeled "Register for Classes" displayed on the user interface.		
Preconditions:	PRE-1 User is registered in system PRE-2 User has been verified and is logged in PRE-3 User has >0 classes added to Cart List		
Postconditions:	POST-1 User is registered for designated classes POST-2 User experience enters		
Normal Flow:	5.0 Student Registers for Classes from Cart <ol style="list-style-type: none"> <li>1. System checks if student meets prerequisites</li> <li>2. Student meets prerequisites</li> <li>3. Student is registered for classes</li> </ol>		

Alternative Flows:	<p>5.1 Student does not meet Prerequisites and Professor has set up an automatic prerequisite override.</p> <ol style="list-style-type: none"> <li>1. System checks if instructor has set up an automatic prerequisite override</li> <li>2. Instructor has set up an automatic prerequisite override</li> <li>3. System overrides prerequisite requirement</li> <li>4. System displays prerequisite requirement and override to student</li> <li>5. Student is registered for classes</li> </ol>
Exceptions:	<p>5.1.E1 Student does not meet Prerequisites and Instructor has not set up an automatic override</p> <ol style="list-style-type: none"> <li>1. Student clicks “Request Prerequisite Override”</li> <li>1. Refer to Use Case ID: 1 Student Requests Override</li> </ol>
Priority:	High
Frequency of Use:	Approximately 0-5 times per term by each student
Business Rules:	<p>BR1.0 Prerequisite overrides must be approved by professor</p> <p>BR 4.0 Student cannot register if they owe the school money</p>
Other Information:	N/A
Assumptions:	N/A