

Number: 1	Process Logic or Reference:
Name: Class Registration	
Description: Student registers for a section of a class. A student is unable to register for a class if (1) the student does not meet the class prerequisites, (2) there a no available seats, or (3) the student has already scheduled another class at the same time as the chosen class section.	
Input Data Flow: Class prerequisites, available seats, and student schedule.	
Output Data Flow: Update available and student schedule.	
Type of Process: <div><input checked="" type="checkbox"/> Online</div> <div><input type="checkbox"/> Batch</div> <div><input type="checkbox"/> Manual</div>	
Unresolved Issues:	

Conditions and Actions	1'	2'	3'	4'
Meets Prerequisites	Y	N	-	-
Available Seats	Y	-	N	-
Valid Time	Y	-	-	N
Successful Registration	X			
Unsuccessful Registration		X	X	X

Number: 1.1	Process Logic or Reference:
Name: Class Request Verification	<pre> graph TD 1((1)) -- "Student does not meet criteria" --> 2[2] 1 -- "Student meets criteria" --> 3((3)) 2 -- "Request Denied" --> End1[] 3 -- "Seat available" --> 4((4)) 3 -- "Seat not available" --> 5[5] 4 -- "Available Schedule" --> 6[6] 4 -- "Unavailable Schedule" --> 7[7] 5 -- "Request Denied" --> End2[] 6 -- "Request Approved" --> End3[] 7 -- "Request Denied" --> End4[] </pre> <p>The flowchart illustrates the logic for class request verification. It starts at node 1. If a student does not meet the criteria, the request is denied (node 2). If a student meets the criteria, the process moves to node 3. At node 3, if a seat is available, it proceeds to node 4. If a seat is not available, the request is denied (node 5). From node 4, if the schedule is available, the request is approved (node 6). If the schedule is unavailable, the request is denied (node 7).</p>
Description: Student request to enroll in a class. The registration information, class prerequisites and class information is taken into account when validating the request. The student must have all prerequisites, available schedule and class must have enough seats.	
Input Data Flow: Class prerequisites and information, registration information	
Output Data Flow: Registration request and enrollment validation.	
Type of Process: <input checked="" type="checkbox"/> Online <input type="checkbox"/> Batch <input type="checkbox"/> Manual	
Unresolved Issues:	

Number: 1.2	Process Logic or Reference:
Name: Class Enrollment	<pre> graph TD 1((1)) -- "Request Approved" --> 2[2] 1 -- "Request Denied" --> 3[3] 2 --- 2desc[Student receives an approval notification with the class information] 3 --- 3desc[Student receives a denial notification with the class information] </pre>
Description: The enrollment request has already been processed and the answer is relayed to the Class Enrollment process. This process receives class information and the request to create an enrollment notification.	
Input Data Flow: Class Information, Request Approval or Denial	
Output Data Flow: Request Answer with Class Information	
Type of Process: <input checked="" type="checkbox"/> Online <input type="checkbox"/> Batch <input type="checkbox"/> Manual	
Unresolved Issues:	

Number: 2	Process Logic or Reference:
Name: Class Withdrawal	
Description: Student withdraws from a class. If the student withdraws before the “withdrawal deadline”, the class will not appear on their transcript. If the student withdraws after the “withdrawal deadline”, they are penalized with a “W” on their transcript	
Input Data Flow: Withdrawal deadline date	
Output Data Flow: Update student schedule, student transcript, and class seats	
Type of Process: <div> <input checked="" type="checkbox"/> Online <input type="checkbox"/> Batch <input type="checkbox"/> Manual </div>	
Unresolved Issues:	<div> <div> <div>Before Withdrawal Deadline</div> <div>1</div> <div>After Withdrawal Deadline</div> </div> <div> <div>2</div> <div>3</div> </div> <div> <div>Drop class for student, and remove class from student transcript</div> <div>Drop class for student, and update class grade on transcript to “W”</div> </div> </div>

Number: 3	Process Logic or Reference:
Name: Grade Submission	
Description: The professor grades the assignment and submits a grade. If the student submitted the assignment past the due date, adjust the assignments grade according to class policy. If the assignment is missing, the grade is 0.	IF <u>assignment</u> is submitted get <u>grade</u> from grading <u>assignment</u> IF <u>assignment</u> was submitted late subtract from <u>grade</u> according to lateness policy ELSE continue ENDIF
Input Data Flow: Assignment and date submitted	ELSE <u>grade</u> is 0 ENDIF
Output Data Flow: Update grade	submit <u>grade</u>
Type of Process: <div> <input checked="" type="checkbox"/> Online <input type="checkbox"/> Batch <input checked="" type="checkbox"/> Manual </div>	
Unresolved Issues:	

Number: 4	Process Logic or Reference:																																																								
Name: Application																																																									
Description: The student submits an application. The staff then reviews the application. If the application meets requirements to enter the university, the there is space/budget in the acceptance/aid pool, and the acceptance officers vouch for them, then the student is admitted into the university																																																									
Input Data Flow: Application, available space, and remaining budget																																																									
Output Data Flow: Acceptance/Rejection																																																									
Type of Process: <div><input checked="" type="checkbox"/> Online</div> <div><input type="checkbox"/> Batch</div> <div><input checked="" type="checkbox"/> Manual</div>																																																									
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	<table><tr><th>Conditions and Actions</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th></tr><tr><td>Application completed</td><td>Y</td><td>N</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>Meets Minimum Requirements</td><td>Y</td><td>-</td><td>N</td><td>-</td><td>-</td><td>-</td></tr><tr><td>Available Space</td><td>Y</td><td>-</td><td>-</td><td>N</td><td>-</td><td>-</td></tr><tr><td>Sufficient Aid Budget</td><td>Y</td><td>-</td><td>-</td><td>-</td><td>N</td><td>-</td></tr><tr><td>Vouched by Acceptance Officers</td><td>Y</td><td>-</td><td>-</td><td>-</td><td>-</td><td>N</td></tr><tr><td>Student Accepted</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Student Rejected</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr></table>	Conditions and Actions	1'	2'	3'	4'	5'	6'	Application completed	Y	N	-	-	-	-	Meets Minimum Requirements	Y	-	N	-	-	-	Available Space	Y	-	-	N	-	-	Sufficient Aid Budget	Y	-	-	-	N	-	Vouched by Acceptance Officers	Y	-	-	-	-	N	Student Accepted	X						Student Rejected		X	X	X	X	X
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Student Accepted	X																																																								
Student Rejected		X	X	X	X	X																																																			

Number: 5	Process Logic or Reference:
Name: Changing Major	
Description: The student submits a request to change majors. The student advisor reviews the request, and based on a number of factors decides whether to grant or reject the student’s change of major. If accepted the advisor updates the student records to reflect the student’s new major	
Input Data Flow: Major change request	
Output Data Flow: Update the student’s major	
Type of Process: <div> <input checked="" type="checkbox"/> Online <input type="checkbox"/> Batch <input type="checkbox"/> Manual </div>	
Unresolved Issues:	<pre> graph TD 1((1)) -- "Request Accepted" --> 2[2] 1 -- "Request Rejected" --> 3[3] 2 --- 2text[Notify student, advisor updates student records to reflect new major] 3 --- 3text[Notify student, no further changes] </pre>