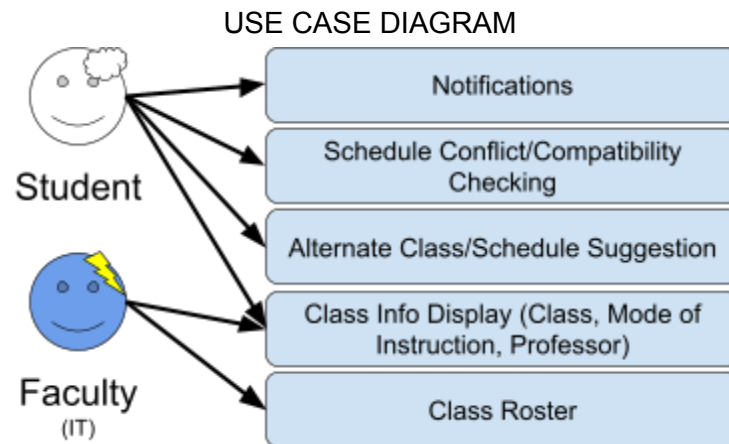


**TEAM NAME: 1-Direction**

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## USE CASES

Use Case 1	Notifications
Actors	Students of CSULB
Description	Allows the user to be notified of new sections of desired classes.
Pre-Conditions	The user must be waitlisted for another section or registered in another section of the same class.
Flow of Control	<ol style="list-style-type: none"><li>1. User on their mobile device or desktop receives a notification (the message is received on the Canvas inbox folder)</li></ol>
Post-Conditions	User is sent an email notifying the user of the new section.
Error-Conditions	<ol style="list-style-type: none"><li>1. <i>Technical error</i>. unable to send a notification to users device.</li><li>2. Technical errors displaying incorrect information.</li></ol>
Nonfunctional Requirements	<ol style="list-style-type: none"><li>1. Login to Canvas and notifications on.</li><li>2. Performance: the notification should be displayed as soon as availability of class (Fast notification time).</li></ol>

Use Case 2		Schedule Conflict/Compatibility Checking
Actors	Students of CSULB	
Description	Informs the user whether a class they are about to sign up for will conflict with their schedule or their course requirements.	
Pre-Conditions	The student must be logged into the Student Center and must navigate the schedule of classes.	
Flow of Control	<ol style="list-style-type: none"> <li>1. User navigates to the course selection page.</li> <li>2. User selects a course.</li> <li>3. If the course is not included in their major, minor, or general education requirements, inform the user by visually displaying a warning.</li> <li>4. If the course conflicts with their existing schedule or the same class was already taken, display a warning before proceeding to Use Case 3 (Alternate Class/Schedule)</li> </ol>	
Post-Conditions	The student can see a notification whether the class they're selecting will conflict or not.	
Error-Conditions	<ul style="list-style-type: none"> <li>- User is not warned/informed in the case of lacking conflicts</li> <li>- User is warned/informed despite lacking any conflicts or identical courses</li> </ul>	
Nonfunctional Requirements	<ol style="list-style-type: none"> <li>1. <i>Performance</i>: Calculated conflicts onto the schedule already made by the student.</li> <li>2. <i>Usability</i>: The displayed information is clear and UI manageable when cross referencing to other viable classes.</li> </ol>	

Use Case 3		Alternative Classes / Schedules
Actors	Students of CSULB	
Description	Provides users a suggestion of courses to take or alternate sections to build a better schedule.	
Pre-Conditions	Students must be logged into the Student Center and must be looking at their schedule of classes.	
Flow of Control	<ol style="list-style-type: none"> <li>1. User navigates to the course selection page.</li> <li>2. User either selects a course or views their current schedule</li> <li>3. The page should provide alternative courses and alternate sections relevant to the user, based on the following: <ol style="list-style-type: none"> <li>a. User's course requirements</li> <li>b. User's waitlisted classes</li> <li>c. User's existing class selections</li> <li>d. User's preferred class times</li> </ol> </li> </ol>	
Post-Conditions	The user is provided multiple classes and sections or alternate schedules that are relevant and do not provide conflict	
Error-Conditions	<ul style="list-style-type: none"> <li>- Suggestion of irrelevant/unrelated courses to the user in course requirements or already selected courses</li> <li>- Failure to provide suggestions</li> <li>- Suggestion of a schedule that includes conflicting courses (identical classes or conflicting times)</li> </ul>	
Nonfunctional Requirements	<ol style="list-style-type: none"> <li>1. <i>Usability</i>: UI clear and organized to the user.</li> <li>2. <i>Performance</i>: Navigation and loading is fast when navigating the Student Center.</li> </ol>	

Use Case 4		Class Info Display (Class, Mode of Instruction, Professor)
Actors	Both the CSULB IT Division and the Students of CSULB	
Description	Informs the user of general class information, such as the course title, department, mode of instruction, and professor.	
Pre-Conditions	The user must select the course to view its information.	
Flow of Control	<ol style="list-style-type: none"> <li>1. User navigates to course selection page</li> <li>2. User selects a course.</li> <li>3. Displays all relevant information.</li> </ol>	
Post-Conditions	The user is able to read all relevant information pertaining to the course.	
Error-Conditions	<ul style="list-style-type: none"> <li>- Not being able to retrieve data from the database associated with it</li> <li>- Displaying the incorrect information (such as another class's information)</li> </ul>	
Nonfunctional Requirements	<ul style="list-style-type: none"> <li>- <i>Structure</i>: Must be structured in a manner that is easy to read and phrased in an understandable manner.</li> <li>- <i>Relevancy</i>: Must be able to focus the user's attention on relevant information and avoid filling the page with "bloat" or irrelevant information</li> </ul>	

Use Case 5		Class Roster
Actors	CSULB Faculty (IT and Professors)	
Description	Allows faculty to access a class roster upon request. Professors may only be able to access classes they are teaching, IT can access any roster.	
Pre-Conditions	The user must have a CSULB account associated with staff and must have necessary permissions as an IT or a professor. Higher level IT or the program itself may assign permissions to users.	
Flow of Control	<p>The user must search for and select the class that they want to see the roster of:</p> <ol style="list-style-type: none"> <li>1. User enters their log-in information and navigates to the Student Center.</li> <li>2. Go to class courses and search, then click on the appropriate class.</li> <li>3. Click "see class roster" including students and professors.</li> </ol>	
Post-Conditions	Users will see the class roster that includes the students and professors, the user may also see the available seats to the class.	
Error-Conditions	<i>Incorrect Information:</i> Changes to the class roster may not update in a timely manner, for example, if a student enrolls it may take >30 minutes for the change to be seen by users.	
Nonfunctional Requirements	<i>Orderly:</i> Class roster should be in a set order, either by time of enrollment or by name (first or last name alphabetical).	