

Test Case

Project Name: CARS

Test Case ID: 1

Test Designed by: Liyan, Juan, Akshat

**Test Priority
(Low/Medium/High):** High

Test Designed date: Apr 5 2022

Module Name: Four-year plan

Test Executed by: Liyan, Juan, Akshat

Test Title: Four Year Plan Valid Plan Test

Test Execution date: 05/04/22

Description: This is a black box test testing if the four year plan generator produces valid plans.

Objective:

To examine if this functionality generates valid plans based on the student information

Pre-conditions:

User is logged in. User has not provided any information on past courses taken.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter past courses information	No information about the student's past courses is provided	Valid execution, prompt user for major			
2	Enter major	Provide no major or an invalid name	no plan generated - error message prompting that user to enter a valid major			
3	Enter courses	invalid courses/course names	no plan generated - search returns no results for the provided courses			
4	enter major and following courses	mismatched courses for the provided major so that it's impossible to obtain the major	no plan generated - error message to provide valid courses for the inputted major			
5	Enter no past courses but enter a valid major	No past courses, valid major	provide a complete and valid four year plan based on bulletin information			

Post-conditions:

Valid four year plan generated in step 5 should be able to be saved and downloaded locally

The results of the other operations should be ignored.

