

Test Case: Generate Four-Year Plan

Project Name: CAR

Test Case ID: 1

Test Designed by:

Liyan Ibrahim

Test Priority (Low/Medium/High):
High

Test Designed date:
2022, May 6th

Module Name:

Generate Plan

Test Executed by:

Developer Team

Test Title:

Four Year Plan

Test Execution date:

2022, May 6th

Description:

This feature allows the users to use the course analysis system to produce a four-year plan based on their major, location and year but will be customizable for every student and keeps the student on track to graduate on time. The generated plan could also be customized by the user.

Objective:

To provide the functionality of generating and editing customized four-year plans

Pre-conditions:

Authenticated user that is part of the institution with valid login information.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	User inputs previously taken courses	User inputs invalid courses	no plan generated - search returns no results for the provided courses	no plan generated	Pass	
2	User inputs major	User inputs invalid major	no plan generated - search returns no results for the provided courses	no plan generated	Pass	
3	User inputs previously taken courses and major	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	no plan generated	Pass	
4	User inputs previously taken courses	User input is valid	Courses are correctly inputted into the four year plan template	Courses are in four-year plan template	Pass	
5	User enters no past courses but enter a valid major	No past courses, valid major	provide a complete and valid four year	complete and valid four year plan is generated	Pass	

			an based on bulletin information			
6	User enters no past courses and no valid major	No past courses, no valid major	no plan generated - error message to input valid data	No plan generated with appropriate error message	Pass	
7	Future (major/minor) courses loaded from the most recent bulletin	Students major is found in the recent bulletin	Courses correctly placed in the generated plan	Courses correctly placed in the generated plan	Pass	
8	Electives, Cores and PE credits loaded into the plan	Correct number of electives, cores and PE credits are loaded	These courses placed accurately and on track for student to graduate	These courses placed accurately and on track for student to graduate	Pass	
9	Electives, Cores and PE credits loaded into the plan	incorrect number of electives, cores and PE credits are loaded	no plan generated-error message on inputting correct previous courses for major plan	No plan generated with appropriate error message	Pass	

Post-conditions:

The generated four-year plan should be up to date with the most recent change in requirements and adjustments to every major, minor and graduation requirements.