

# CL Final Project - GUI

**Student Information**

GPA:

**Previous Courses**

<input type="checkbox"/> IAP	<input type="checkbox"/> AI
<input type="checkbox"/> PR1	<input type="checkbox"/> ML
<input type="checkbox"/> PR2	<input type="checkbox"/> EXP
<input type="checkbox"/> ADS	<input type="checkbox"/> NN
<input type="checkbox"/> AAD	<input type="checkbox"/> FZL
<input type="checkbox"/> SAD	<input type="checkbox"/> CN
<input type="checkbox"/> SW1	<input type="checkbox"/> OS1
<input type="checkbox"/> SW2	<input type="checkbox"/> OS2
<input type="checkbox"/> SP	<input type="checkbox"/> DB1
<input checked="" type="checkbox"/> PLP	<input type="checkbox"/> DB2

Specialty:

**Open Courses**

	Select	Course Name	Credit	Select	Course Name	Credit
1	<input type="checkbox"/>	IAP	3	<input type="checkbox"/>	AI	3
2	<input type="checkbox"/>	PR1	3	<input type="checkbox"/>	ML	3
3	<input type="checkbox"/>	PR2	3	<input type="checkbox"/>	EXP	3
4	<input type="checkbox"/>	ADS	3	<input type="checkbox"/>	NN	3
5	<input type="checkbox"/>	AAD	3	<input type="checkbox"/>	FZL	3
6	<input type="checkbox"/>	SAD	3	<input type="checkbox"/>	CN	3
7	<input type="checkbox"/>	SW1	3	<input type="checkbox"/>	OS1	3
8	<input type="checkbox"/>	SW2	3	<input type="checkbox"/>	OS2	3
9	<input type="checkbox"/>	SP	3	<input type="checkbox"/>	DB1	3
10	<input type="checkbox"/>	PLP	3	<input type="checkbox"/>	DB2	3
11	<input type="checkbox"/>	LC	3	<input type="checkbox"/>	ADB	3
12	<input type="checkbox"/>	CL	1	<input type="checkbox"/>	DSSM	3
13	<input type="checkbox"/>	NA	3	<input type="checkbox"/>	CS	3
14	<input type="checkbox"/>	CAL1	3	<input type="checkbox"/>	CnS	3
15	<input type="checkbox"/>	CAL2	3	<input type="checkbox"/>	IT	3
16	<input type="checkbox"/>	PS	3	<input type="checkbox"/>	PL	3
17	<input type="checkbox"/>	OR	3	<input type="checkbox"/>	NLP	3
18	<input type="checkbox"/>	DM	3	<input type="checkbox"/>	MM	3
19	<input type="checkbox"/>	CG	3	<input type="checkbox"/>	VR	3
20	<input type="checkbox"/>	Junior	2	<input type="checkbox"/>	Senior	4

**Results**

Maximum Allowed Credit: 18      Current Credit: 0

Create this course selector GUI that enables the student to:

- 1- Enter the courses he/she took previously, GPA and specialty.
- 2- Submit information, or
- 3- Clear all to reenter them all

As a result, the system will provide the student with the maximum allowed credit that could be taken in the current semester.

On the other side, there are the open courses, so that the student can select which ones he/she wants to take, and by clicking on “submit” button, the system will calculate the current credit the student selected so far.

**NOTE:** The system should not allow the student to select any course that requires a pre-requisite subject that the student didn’t have already.

For example: PR1 requires IAP, PR2 requires PR1, etc. So, if the student selects PR2 but he/she didn’t take PR1 the system should prevent him/her from taking this course, by showing a “message” saying that the selected course is not allowed.

**Hint:** look for “uitable” in MATLAB help to help you creating and dealing with tables.

**Good luck**