

Murdoch University

# CourseLoop - Callista Parser

## Testing Documentation

ICT302 IT Professional Practice Project,  
Team (10) Black Widow

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25-10-2019

Version 1.0

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## Test Plan

### Introduction

The test plan documents and communicates the test approach to the project group members. It will consist of the objective, scope, schedule, risks and the approach to the Courseloop project. The test plan has been created to define the test deliverables as well as the components in and out of the scope.

### Objectives

To successfully take the course structural information from CourseLoop curriculum management system as a json file via software solution hosted on web server and transform the payload into course and unit set rule strings for use in the Callista student management systems utilising Callista standard rules syntax.

# Test Cases and Results

## Results

### 1. CourseB1335.json

Course

+

Drag and drop a COURSE json here

Majors

+

Drag and drop a MAJOR json here

Guide	How to use this tool	Output
Course B1335.json: B1335 - Bachelor of Nursing		
<b><u>Bachelor of Nursing</u></b> <b>Course Set String:</b> Must have completed 1 unit sets in {MJ-NUR} & Must have completed 1 unit sets in {C-B1335-1} & Must have completed 1 unit sets in {S-B1335-1} & Must pass credit points for course <b>S-B1335-1 - Course Spine String :</b> Must pass all units in {BNR150} <b>C-B1335-1 - Course Core String:</b> Must pass all units in {BNR359, BNR100, BNR200}		

### 2. CourseB1335.json + Major MJ-NUR 2.json

Course

+

Drag and drop a COURSE json here

Majors

+

Drag and drop a MAJOR json here

Guide	How to use this tool	Output
Course B1335.json: B1335 - Bachelor of Nursing		
<b><u>Bachelor of Nursing</u></b> <b>Course Set String:</b> Must have completed 1 unit sets in {MJ-NUR} & Must have completed 1 unit sets in {C-B1335-1} & Must have completed 1 unit sets in {S-B1335-1} & Must pass credit points for course <b>S-B1335-1 - Course Spine String :</b> Must pass all units in {BNR150} <b>C-B1335-1 - Course Core String:</b> Must pass all units in {BNR359, BNR100, BNR200} <b>MJ-NUR String:</b> Must pass all units in {NUR353, NUR249, NUR241, NUR121, NUR231, NUR369, NUR389, NUR352, NUR239, NUR114, NUR109, NUR210, NUR111, NUR112, NUR379, NUR123, NUR243, NUR233, NUR361, NUR242, NUR122, NUR232}		

3. CourseB1345.json

Course

+

Drag and drop a COURSE json here

Majors

+

Drag and drop a MAJOR json here

Guide	How to use this tool	Output
Course B1345.json: B1345 - Bachelor of Criminology		
<b><u>Bachelor of Criminology</u></b> Course Set String: Must have completed 1 unit sets in {MJ-LEGS, MJ-WCCC, MJ-CRIB, MJ-CRIS} & Must have completed 1 unit sets in {C-B1345-1} & Must have completed 1 unit sets in {S-B1345-1} & Must pass credit points for course S-B1345-1 - Course Spine String : Must pass all units in {MSP100, MSP200, MSP201} C-B1345-1 - Course Core String: Must pass all units in {CRM307, CRM306} Specified Electives String :C-B1345-1 & Must pass 2 units(s) in {CRM302, LEG203, BRD205, CRM202, CRM389, LEG391, CRM219, CRM388, CRM310, LEG323, BMS213}		

4. CourseB1345.json + Major MJ-WCCC.json

Course

+

Drag and drop a COURSE json here

Majors

+

Drag and drop a MAJOR json here

Guide	How to use this tool	Output
Course B1345.json: B1345 - Bachelor of Criminology		
<b><u>Bachelor of Criminology</u></b> Course Set String: Must have completed 1 unit sets in {MJ-LEGS, MJ-WCCC, MJ-CRIB, MJ-CRIS} & Must have completed 1 unit sets in {C-B1345-1} & Must have completed 1 unit sets in {S-B1345-1} & Must pass credit points for course S-B1345-1 - Course Spine String : Must pass all units in {MSP100, MSP200, MSP201} C-B1345-1 - Course Core String: Must pass all units in {CRM307, CRM306} Specified Electives String :C-B1345-1 & Must pass 2 units(s) in {CRM302, LEG203, BRD205, CRM202, CRM389, LEG391, CRM219, CRM388, CRM310, LEG323, BMS213} MJ-WCCC String: Must pass all units in {CRM203, CRM330, CRM201, ICT171, ICT378, CRM100, CRM230, CRM120}		

## 5. CourseB1357A

Course	Majors
<div>+</div> <div>Drag and drop a COURSE json here</div>	<div>+</div> <div>Drag and drop a MAJOR json here</div>

Guide	How to use this tool	Output
B1357A.json: B1357A - Bachelor of Information Technology in Games Design and Development		
<b><u>Bachelor of Information Technology in Games Design and Development</u></b> <u>Course Set String</u> : Must have completed 1 unit sets in {MJ-BIS} & Must have completed 1 unit sets in {C-B1357A-1} & Must have completed 1 unit sets in {S-B1357A-1} & Must pass credit points for course <u>S-B1357A-1 - Course Spine String</u> : Must pass all units in {MSP100, MSP200} <u>C-B1357A-1 - Course Core String</u> : Must pass all units in {ICT365, ICT396, ICT285, ICT159, ICT284}		

## 6. CourseB1357A.json + MJ-BIS

Course	Majors
<div>+</div> <div>Drag and drop a COURSE json here</div>	<div>+</div> <div>Drag and drop a MAJOR json here</div>

Guide	How to use this tool	Output
B1357A.json: B1357A - Bachelor of Information Technology in Games Design and Development		
<b><u>Bachelor of Information Technology in Games Design and Development</u></b> <u>Course Set String</u> : Must have completed 1 unit sets in {MJ-BIS} & Must have completed 1 unit sets in {C-B1357A-1} & Must have completed 1 unit sets in {S-B1357A-1} & Must pass credit points for course <u>S-B1357A-1 - Course Spine String</u> : Must pass all units in {MSP100, MSP200} <u>C-B1357A-1 - Course Core String</u> : Must pass all units in {ICT365, ICT396, ICT285, ICT159, ICT284} <u>MJ-BIS String</u> : Must pass all units in {ICT301, MAS162, ICT284, ICT394, ICT159, ICT285, ICT292, ICT302, ICT169, ICT393, ICT170, ICT158}		

## 7. CourseB1319

Course	Majors
<div><div>+</div><div>Drag and drop a COURSE json here</div></div>	<div><div>+</div><div>Drag and drop a MAJOR json here</div></div>

Guide	How to use this tool	Output
B1319.json: B1319 - Bachelor of Education		
<b><u>Bachelor of Education</u></b> <b>Course Set String:</b> Must have completed 1 unit sets in {MJ-PRI, MJ-ECP, MJ-PHPE} & Must have completed 1 unit sets in {C-B1319-1} & Must have completed 1 unit sets in {S-B1319-1} & Must pass credit points for course <b>S-B1319-1 - Course Spine String :</b> Must pass all units in {BED150} <b>C-B1319-1 - Course Core String:</b> Must pass all units in {BED200, EDN298, EDN299, EDN353, EDN236, EDN441, EDN3102, EDN351, EDN442, EDN449, EDN115, BED100, EDN2104, EDN235, EDN332, EDN221, EDN114, EDN248, EDN4100, EDN113, EDN111} <div></div>		

## 8. Course1319.json + MJ-PHPE.json

Course	Majors
<div><div>+</div><div>Drag and drop a COURSE json here</div></div>	<div><div>+</div><div>Drag and drop a MAJOR json here</div></div>

Guide	How to use this tool	Output
B1319.json: B1319 - Bachelor of Education		
<b><u>Bachelor of Education</u></b> <b>Course Set String:</b> Must have completed 1 unit sets in {MJ-PRI, MJ-ECP, MJ-PHPE} & Must have completed 1 unit sets in {C-B1319-1} & Must have completed 1 unit sets in {S-B1319-1} & Must pass credit points for course <b>S-B1319-1 - Course Spine String :</b> Must pass all units in {BED150} <b>C-B1319-1 - Course Core String:</b> Must pass all units in {BED200, EDN298, EDN299, EDN353, EDN236, EDN441, EDN3102, EDN351, EDN442, EDN449, EDN115, BED100, EDN2104, EDN235, EDN332, EDN221, EDN114, EDN248, EDN4100, EDN113, EDN111} <b>MJ-PHPE String:</b> Must pass all units in {EDN464, EDN351, EDN117, EDN116, EDN4300, EDN357, EDN4302, EDN465, EDN358} <div></div>		

## 9. Course1319.json + MJ-PHPE.json + MJ-PRI.json

Course	Majors
<div style="text-align: center;">+</div> <div>Drag and drop a COURSE json here</div>	<div style="text-align: center;">+</div> <div>Drag and drop a MAJOR json here</div>

Guide	How to use this tool	Output
B1319.json: B1319 - Bachelor of Education		
<b><u>Bachelor of Education</u></b> <b>Course Set String:</b> Must have completed 1 unit sets in {MJ-PRI, MJ-ECP, MJ-PHPE} & Must have completed 1 unit sets in {C-B1319-1} & Must have completed 1 unit sets in {S-B1319-1} & Must pass credit points for course <b>S-B1319-1 - Course Spine String :</b> Must pass all units in {BED150} <b>C-B1319-1 - Course Core String:</b> Must pass all units in {BED200, EDN298, EDN299, EDN353, EDN236, EDN441, EDN3102, EDN351, EDN442, EDN449, EDN115, BED100, EDN2104, EDN235, EDN332, EDN221, EDN114, EDN248, EDN4100, EDN113, EDN111} <b>MJ-PHPE String:</b> Must pass all units in {EDN464, EDN351, EDN117, EDN116, EDN4300, EDN357, EDN4302, EDN465, EDN358} <b>MJ-PRI String:</b> Must pass all units in {EDN358, EDN4302, EDN4300}		

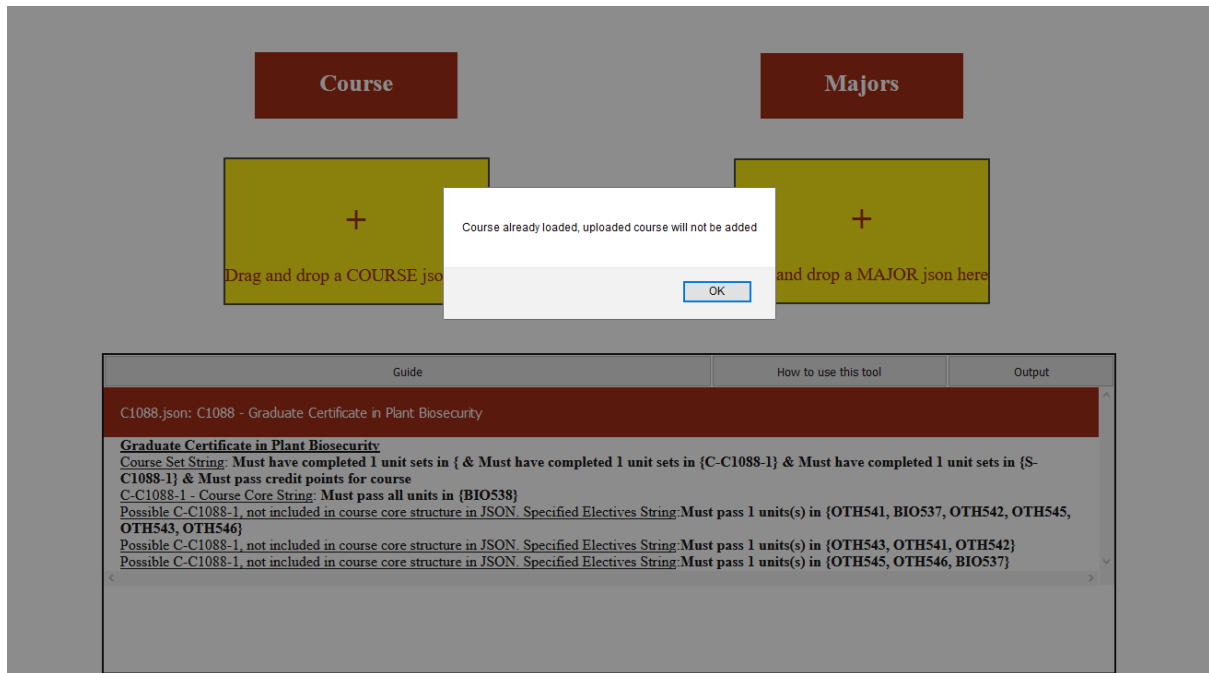
## 10. Course1319.json + MJ-PHPE.json + MJ-PRI.json + MJ-ECP.json

Course	Majors
<div style="text-align: center;">+</div> <div>Drag and drop a COURSE json here</div>	<div style="text-align: center;">+</div> <div>Drag and drop a MAJOR json here</div>

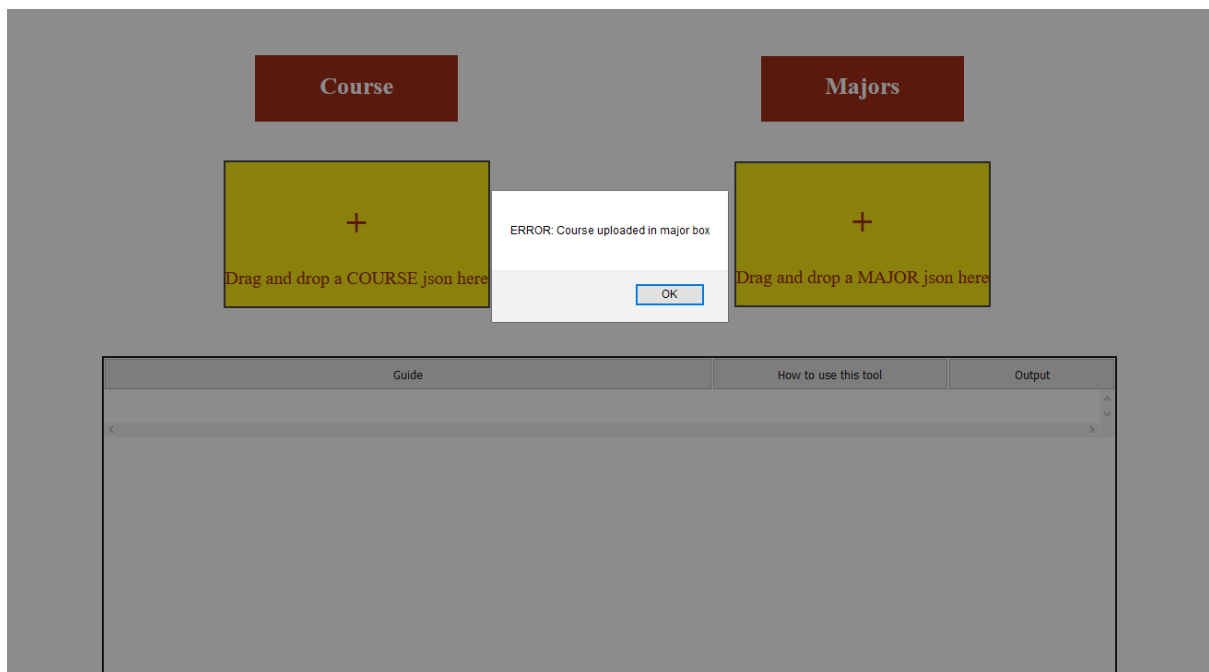
Guide	How to use this tool	Output
B1319.json: B1319 - Bachelor of Education		
<b><u>Bachelor of Education</u></b> <b>Course Set String:</b> Must have completed 1 unit sets in {MJ-PRI, MJ-ECP, MJ-PHPE} & Must have completed 1 unit sets in {C-B1319-1} & Must have completed 1 unit sets in {S-B1319-1} & Must pass credit points for course <b>S-B1319-1 - Course Spine String :</b> Must pass all units in {BED150} <b>C-B1319-1 - Course Core String:</b> Must pass all units in {BED200, EDN298, EDN299, EDN353, EDN236, EDN441, EDN3102, EDN351, EDN442, EDN449, EDN115, BED100, EDN2104, EDN235, EDN332, EDN221, EDN114, EDN248, EDN4100, EDN113, EDN111} <b>MJ-PHPE String:</b> Must pass all units in {EDN464, EDN351, EDN117, EDN116, EDN4300, EDN357, EDN4302, EDN465, EDN358} <b>MJ-PRI String:</b> Must pass all units in {EDN358, EDN4302, EDN4300} <b>MJ-ECP String:</b> Must pass all units in {EDN434, EDN461, EDN355, EDN432, EDN354, EDN239, EDN435, EDN237, EDN462, EDN168}		

## Error Testing

1. Warning when the user uploads the same Course SJON file twice.

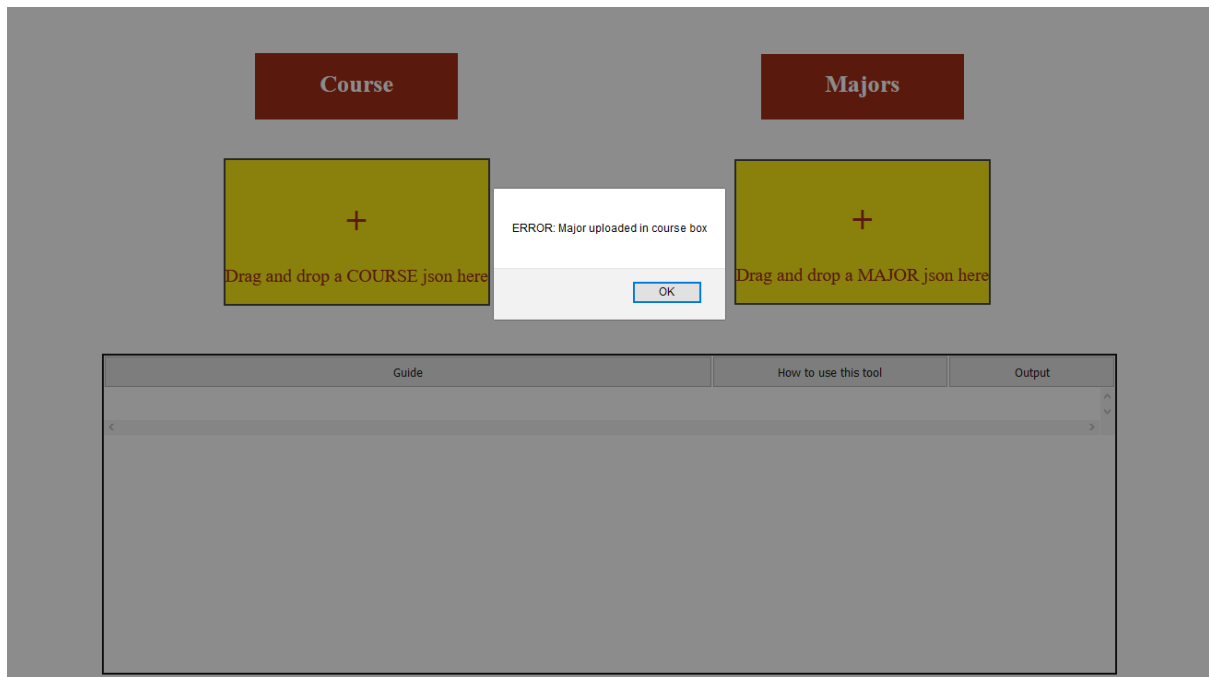


2. Warning when the user uploads a Course JSON file into the Major field



3. Warning when the user uploads a Major JSON file into the Course field





## Copy of Seeding Data

The data seeded to the software solution has been provided by the client in JSON file format and it is as follows:

- Course JSON files:
  - CourseB1335.json
  - CourseB1345.json
  - CourseB1357A.json
  - CourseB1319.json
- Major JSON files:
  - MJ-NUR 2.json
  - MJ-WCCC.json
  - MJ-BIS.json
  - MJ-PHPE.json
  - MJ-PRI.json