



Bluenotes **APAC** 2018
CONFERENCE



Data Integrity Gateway (DIG)

- How Institutions in APAC Utilize DIG for Success of Evaluations with High Quality Data.
- *Presented by : Prashad Arasalingam & Arjoman Chatterji, Professional Services Consultants, eXplorance*



Agenda

- **How does DIG add value to the feedback gathering process**
 - Maintain data integrated through a controlled data preparation process
 - Increase efficiency through workflow automation
 - DIG can be used to augment data
 - Improving data quality by eliminating manual interventions
- **How Institutions in APAC Utilize DIG**
 - Use case 1: University of New South Wales (UNSW)
 - Use case 2: University of Melbourne



How does DIG add value to feedback gathering process

1. Control of data integrity process is centralized

- Select what information can be updated
- Delegate clean-up tasks to the people that know the data
- Create rules to determine what can be viewed and modified
- Track progress to see what data has been validated



How does DIG add value to feedback gathering process

2. Increase efficiency and save time with automation

- Streamline processes with automated workflows
- Send automatic invitations and reminders
- Reduce workload for individuals preparing the data
- Eliminate manual intervention in Blue projects
- Run multiple data clean-up projects simultaneously



How does DIG add value to feedback gathering process

3. Manipulate data any way you want with flexible definitions

- Add, edit, or delete:
- Course data
- Course type data (merge and split courses)
- Course enrolment data
- Student information
- Teacher to course relationships
- Faculty & staff information
- Dates
- Data outside of the SIS

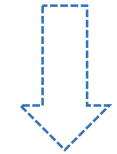
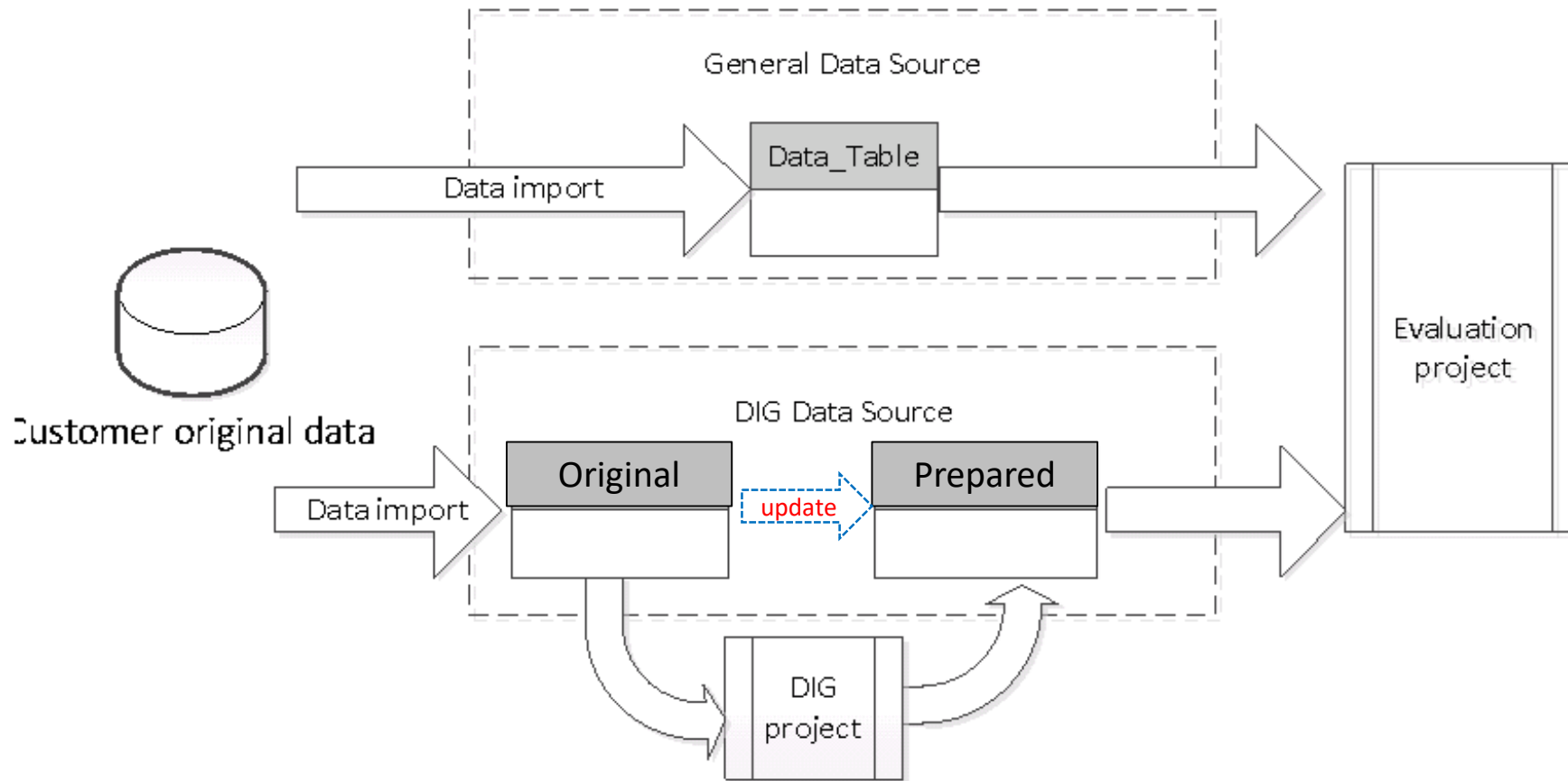


How does DIG add value to feedback gathering process

4. Improve data quality through an intelligent interface at the data entry point

- Use in-line validation capabilities to ensure data is accurate and complete
- Reduce manual errors
- Produce complete, reliable records

DIG Data Structure and Flow



- Prepared records are **automatically updated** by the original data.
- **Prevent update** can be applied on fields in prepared data if the record has been **saved** or **published**



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Use Cases of Data Integrity Gateway (DIG)



Use Case 1: University Of New South Wales

- **Data preparation**
 - Clean errors in data before the feedback process
 - Add missing data before the feedback process

Use Case 1: University Of New South Wales

UNSW SYDNEY myExperience Data Preparation Summer - PA									
<input type="checkbox"/> Edit courses « < 1 2 3 4 > »									
(0 selected / 31 found)									
<input type="checkbox"/>	Status	Group	Object ID	Name	Evaluation Start	Evaluation End	School	Faculty	Evaluate
<input type="checkbox"/>	Edit	<ul style="list-style-type: none"> 2 Instructor 87 Students 	ARTS2374	ARTS2374 Ways of Reasoning			School Humanities & Languages	Faculty of Arts&Social Science	
<input type="checkbox"/>	Edit	<ul style="list-style-type: none"> 2 Instructor 151 Students 	ARTS2458	ARTS2458 Along the Silk Road	2017-Dec-05 00:00	2017-Dec-19 00:00	School Humanities & Languages	Faculty of Arts&Social Science	Yes
<input type="checkbox"/>	Edit	<ul style="list-style-type: none"> 4 Instructor 119 Students 	ARTS2542	ARTS2542 Gods, Heroines and Heroes		2018-Feb-01 00:00	School Humanities & Languages	Faculty of Arts&Social Science	Yes
<input type="checkbox"/>	Edit	<ul style="list-style-type: none"> 1 Instructor 15 Students 	ARTS3991	ARTS3991 Arts&Social Sciences Capstone	2017-Dec-01 00:00	2017-Dec-19 00:00	School Humanities & Languages	Faculty of Arts&Social Science	Yes
<input type="checkbox"/>	Edit	<ul style="list-style-type: none"> 1 Instructor 40 Students 	BEIL6000	BEIL6000 Issues in Urbanism	2018-Jan-15 00:00		Planning & Urban Development	Faculty of Built Environment	
<input type="checkbox"/>	Edit	<ul style="list-style-type: none"> 1 Instructor 31 Students 	BEIL6007	BEIL6007 International Study Tour	2017-Nov-28 00:00	2018-Jan-08 00:00	Architectural Studies Program	Faculty of Built Environment	Yes
<input type="checkbox"/>	Edit	<ul style="list-style-type: none"> 1 Instructor 28 Students 	BEIL6008	BEIL6008 International Design Studio	2017-Dec-11 00:00	2018-Jan-31 00:00	Architectural Studies Program	Faculty of Built Environment	Yes

Use Case 1: University Of New South Wales

<input type="checkbox"/>	Status	Group	Object ID	Name	Evaluation Start	Evaluation End	School	Faculty	Evaluate
<input type="checkbox"/>	Save Cancel	<ul style="list-style-type: none">• 2 Instructor• 87 Students	ARTS2374	ARTS2374 Ways of Reasoning			School Humanities & Languages	Faculty of Arts&Social Science	
Incomplete									
Object ID									
ARTS2374									
Name									
ARTS2374 Ways of Reasoning									
Evaluation Start									
yyyy-MMM-dd HH:mm Missing data									
Evaluation End									
yyyy-MMM-dd HH:mm Missing data									
School									
School Humanities & Languages									
Faculty									
Faculty of Arts&Social Science									
Evaluate									
- Missing data									
2 Instructor									
87 Students									

Use Case 1: University Of New South Wales

Status	Group	Object ID	Name	Evaluation Start	Evaluation End	School	Faculty	Evaluate
<input type="checkbox"/>	<input type="button" value="Save"/> <input type="button" value="Cancel"/>	• 2 Instructor • 87 Students	ARTS2374	ARTS2374 Ways of Reasoning		School Humanities & Languages	Faculty of Arts&Social Science	
<input checked="" type="checkbox"/> Valid								
Object ID ARTS2374								
Name ARTS2374 Ways of Reasoning								
Evaluation Start 2018-Feb-08 00:00 Evaluate Start date selected								
Evaluation End 2018-Feb-09 00:00 Evaluate End date selected								
School School Humanities & Languages								
Faculty Faculty of Arts&Social Science								
Evaluate <input type="button" value="Yes"/> <input type="button" value="-"/> <input type="button" value="No"/> Evaluate option selected								
● 2 Instructor								
● 87 Students								

February 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	01	02	03
04	05	06	07	08	09	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	01	02	03
04	05	06	07	08	09	10

Today Clear Close

Use Case 1: University Of New South Wales

2 Instructor

● Valid

User ID	<input type="text" value="ldaniels"/>
First Name	<input type="text" value="Linda"/>
Last Name	<input type="text" value="Daniels"/>
Email	<input type="text" value="ldaniels@explorance.com"/>
Preferred First Name	<input type="text" value="Linda Daniels"/>
Unique Name	<input type="text" value="ldaniels - Linda Daniels"/>

● Valid

User ID	<input type="text" value="knightley"/>
First Name	<input type="text" value="Kiera"/>
Last Name	<input type="text" value="Knightley"/>
Email	<input type="text" value="knightley@explorance.c"/>
Preferred First Name	<input type="text" value="Kiera Knightley"/>
Unique Name	<input type="text" value="knightley - Kiera Knightle"/>

Use Case 1: University Of New South Wales

2 Instructor

Valid User ID Idaniels First Name

Valid User ID kknightley First Name

Assign Instructor

Assign group member

Group member(s)

Firstname or lastname

Search other fields

Select filtering field

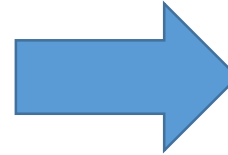
Select filtering field

User ID

Email

Preferred First Name

Unique Name



Assign group member

Group member(s)

anne

Search other fields

Select filtering field

First Name	Last Name	Select field
Annette	Fong	
Joanne	Tracy	
Marianne	Olsen	
Anne	Korn	
Rosanne	Chiba	

Assign group member

Cancel

Use Case 1: University Of New South Wales

3 Instructor

● Valid

User ID

First Name

Last Name

Email

Preferred First Name

Unique Name

● Valid

User ID

First Name

Last Name

Email

Preferred First Name

Unique Name

● Valid

User ID

First Name

Last Name

Email

Preferred First Name

Unique Name

Assign Instructor



Use Case 2: University of Melbourne

- **Assigning Question Templates**

Use Case 2: University Of Melbourne

Question Template 1	Question Template 2	Question Template 3	Question Template 4	Question Template 5
The course presented skills in a helpful sequence	The course was appropriate for the stated level of the class	The course was effectively organized	The course work helped me understand concepts more clearly	Tests, assignments, and projects were fair.
The course provided an appropriate balance between instruction and practice	The course was organized in a way that helped me learn	The course assignments and lectures usefully complemented each other	The lab complemented my understanding of the lectures	The course contents were simple and understandable
	The course provided a mixture of explanation and practice		The course and subject matter were well organized	
			The course has improved my knowledge in the subject	

Use Case 2: University Of Melbourne

The screenshot shows a web interface for managing a question list. At the top, there is a navigation bar with tabs: Info, Questionnaire (selected), Definition, Subjects, Members, Triggers, Access, Tasks, Language, and Publish. Below this is a secondary navigation bar with links: Question List (selected), Options, Print Forms, Virtual Question, Question Bank Mapping, Deleted Question List, and Text Analytics. The main content area is titled "Question List" and includes a "Move to position" input field and a "Go" button. Below the navigation is a table with 18 rows. Each row has a checkbox, an index number, a title, a type, and "Edit" and "Preview" links. The rows are grouped into five sections, each highlighted with a different colored border: orange (rows 1-3), green (rows 4-7), yellow (rows 8-10), brown (rows 11-15), and blue (rows 16-18).

<input type="checkbox"/>	Index	Title	Type	Edit	Preview
<input type="checkbox"/>	1	Question Template 1	Section Title	Edit	Preview
<input type="checkbox"/>	2	The course presented skills in a helpful sequence	Single Selection	Edit	Preview
<input type="checkbox"/>	3	The course provided an appropriate balance between instruction and practice	Single Selection	Edit	Preview
<input type="checkbox"/>	4	Question Template 2	Section Title	Edit	Preview
<input type="checkbox"/>	5	The course was appropriate for the stated level of the class	Single Selection	Edit	Preview
<input type="checkbox"/>	6	The course was organized in a way that helped me learn	Single Selection	Edit	Preview
<input type="checkbox"/>	7	The course provided a mixture of explanation and practice	Single Selection	Edit	Preview
<input type="checkbox"/>	8	Question Template 3	Section Title	Edit	Preview
<input type="checkbox"/>	9	The course was effectively organized	Single Selection	Edit	Preview
<input type="checkbox"/>	10	The course assignments and lectures usefully complemented each other	Single Selection	Edit	Preview
<input type="checkbox"/>	11	Question Template 4	Section Title	Edit	Preview
<input type="checkbox"/>	12	The course work helped me understand concepts more clearly	Single Selection	Edit	Preview
<input type="checkbox"/>	13	The lab complemented my understanding of the lectures	Single Selection	Edit	Preview
<input type="checkbox"/>	14	The course and subject matter were well organized	Single Selection	Edit	Preview
<input type="checkbox"/>	15	The course has improved my knowledge in the subject	Single Selection	Edit	Preview
<input type="checkbox"/>	16	Question Template 5	Section Title	Edit	Preview
<input type="checkbox"/>	17	Tests, assignments, and projects were fair.	Single Selection	Edit	Preview
<input type="checkbox"/>	18	The course contents were simple and understandable	Single Selection	Edit	Preview

Use Case 2: University Of Melbourne

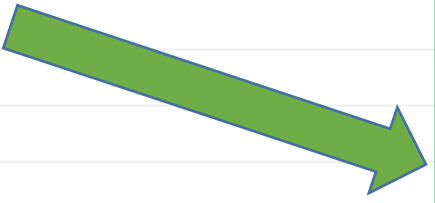

Info Questionnaire Definition Subjects Members Trig

Internal Triggers External Triggers

Trigger List

Results: 1 - 5 of 5 Item(s)

<input type="checkbox"/>	Index	Trigger
<input type="checkbox"/>	1	Question Template 1
<input type="checkbox"/>	2	Question Template 2
<input type="checkbox"/>	3	Question Template 3
<input type="checkbox"/>	4	Question Template 4
<input type="checkbox"/>	5	Question Template 5



Question actions

Index	Question Title	Question Type	Is Visible			
			Default	Trigger Action		
1	Question Template 1	Section Title	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
2	The course presented skills in a helpful sequence	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
3	The course provided an appropriate balance between instruction and practice	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
4	Question Template 2	Section Title	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
5	The course was appropriate for the stated level of the class	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
6	The course was organized in a way that helped me learn	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
7	The course provided a mixture of explanation and practice	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A

Question actions

Index	Question Title	Question Type	Is Visible			
			Default	Trigger Action		
1	Question Template 1	Section Title	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
2	The course presented skills in a helpful sequence	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
3	The course provided an appropriate balance between instruction and practice	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
4	Question Template 2	Section Title	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
5	The course was appropriate for the stated level of the class	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
6	The course was organized in a way that helped me learn	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
7	The course provided a mixture of explanation and practice	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
8	Question Template 3	Section Title	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
9	The course was effectively organized	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A

Use Case 2: University Of Melbourne

Info Questionnaire Definition Subjects Members **Triggers**

Internal Triggers External Triggers

Trigger List

Results: 1 - 5 of 5 Item(s)

<input type="checkbox"/>	Index	Trigger Name
<input type="checkbox"/>	1	Question Template 1
<input type="checkbox"/>	2	Question Template 2
<input type="checkbox"/>	3	Question Template 3
<input type="checkbox"/>	4	Question Template 4
<input type="checkbox"/>	5	Question Template 5

4	Question Template 2	Section Title	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
5	The course was appropriate for the stated level of the class	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
6	The course was organized in a way that helped me learn	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
7	The course provided a mixture of explanation and practice	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
8	Question Template 3	Section Title	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
9	The course was effectively organized	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
10	The course assignments and lectures usefully complemented each other	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
11	Question Template 4	Section Title	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
12	The course work helped me understand concepts more clearly	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A

8	Question Template 3	Section Title	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
9	The course was effectively organized	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
10	The course assignments and lectures usefully complemented each other	Single Selection	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
11	Question Template 4	Section Title	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
12	The course work helped me understand concepts more clearly	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
13	The course and subject matter were well organized	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
14	The lab complemented my understanding of the lectures	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
15	The course has improved my knowledge in the subject	Single Selection	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
16	Question Template 5	Section Title	No	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A

Use Case 2: University Of Melbourne

Info Questionnaire Definition Subjects Members **Triggers** Access Tasks Language Publish


Internal Triggers External Triggers

Trigger List

Move to position

Results: 1 - 5 of 5 Item(s)

<input type="checkbox"/>	Index	Trigger Name	Trigger Type	Required	Yes	No	N/A
<input type="checkbox"/>	1	Question Template 1			<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="checkbox"/>	2	Question Template 2			<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="checkbox"/>	3	Question Template 3			<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="checkbox"/>	4	Question Template 4			<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="checkbox"/>	5	Question Template 5			<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>



11	Question Template 4	Section Title	No	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
12	The course work helped me understand concepts more clearly	Single Selection	No	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
13	The course and subject matter were well organized	Single Selection	No	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
14	The lab complemented my understanding of the lectures	Single Selection	No	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
15	The course has improved my knowledge in the subject	Single Selection	No	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
16	Question Template 5	Section Title	No	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
17	Tests, assignments, and projects were fair.	Single Selection	No	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
18	The course contents were simple and understandable	Single Selection	No	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Use Case 2: University Of Melbourne

<input type="checkbox"/>	Status	Subject ID	Subject Name	School	Dept	Eval Start	Eval End	Evaluate
<input type="checkbox"/>	Save Cancel	101815-8504	101815 Cultures of Modern Canada	Arts & Science	Anthropology	2017-Feb-26 00:00	2018-Feb-28 00:00	Yes
<p>Valid</p> <p>Subject ID 101815-8504</p> <p>Subject Name 101815 Cultures of Modern Canada</p> <p>School Arts & Science</p> <p>Dept Anthropology</p> <p>Eval Start 2017-Feb-26 </p> <p>Eval End 2018-Feb-28 </p> <p>Evaluate Yes</p> <p>Description Cultures of Modern Canada</p> <p>Template Question Template 1</p>								
<input type="checkbox"/>		101848-9502	101848 Modern Art	Arts & Science	Fine Art	2017-Feb-26 00:00	2018-Feb-28 00:00	No
<input type="checkbox"/>		102033-1041	102033 Graphics	Engineering	civil, mechanical and design	2017-Feb-26 00:00	2018-Feb-28 00:00	Yes
<input type="checkbox"/>		201821-6540	201821 Bioarchaeology	Arts & Science	Anthropology	2017-Feb-25 00:00	2018-Feb-26 00:00	Yes



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Thank you!

- **Questions?**