



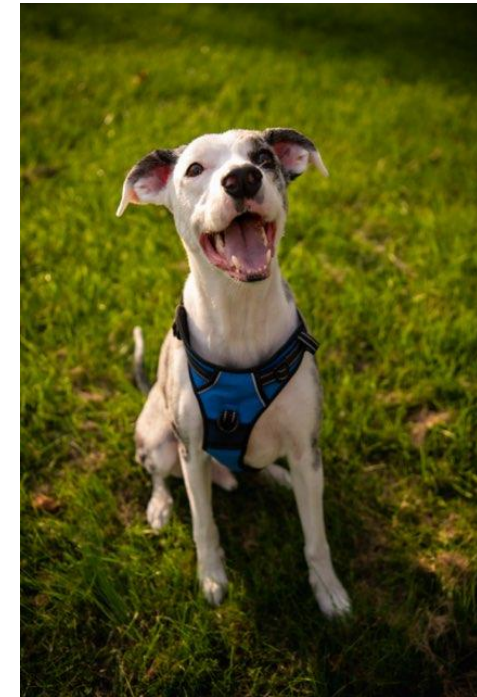


Advanced Ad Hoc Reporting

Disclaimer: Basic understanding of the Filter Designer is strongly recommended!

Introduction

- ✓ Located in Central, PA
- ✓ Originally from Ohio –
Infinite Campus ESA
- ✓ Support Team/CSM
- ✓ Dog Mom – Jaxx, Bullet, Otto
- ✓ Favorite Activities: Pickleball
and Golf



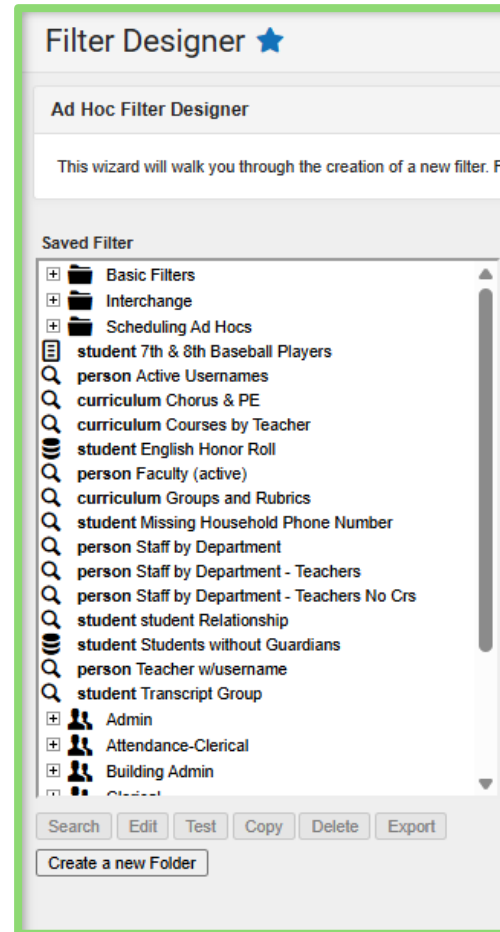
Let's get started

- ✓ Filter Designer Best Practices
- ✓ Functions, Logical Expressions and Report Output
- ✓ Embed Reports within Infinite Campus



Filter Designer **Best Practices**

- ✓ **User Groups**
- ✓ **Short/Long Description**
- ✓ **Folders**



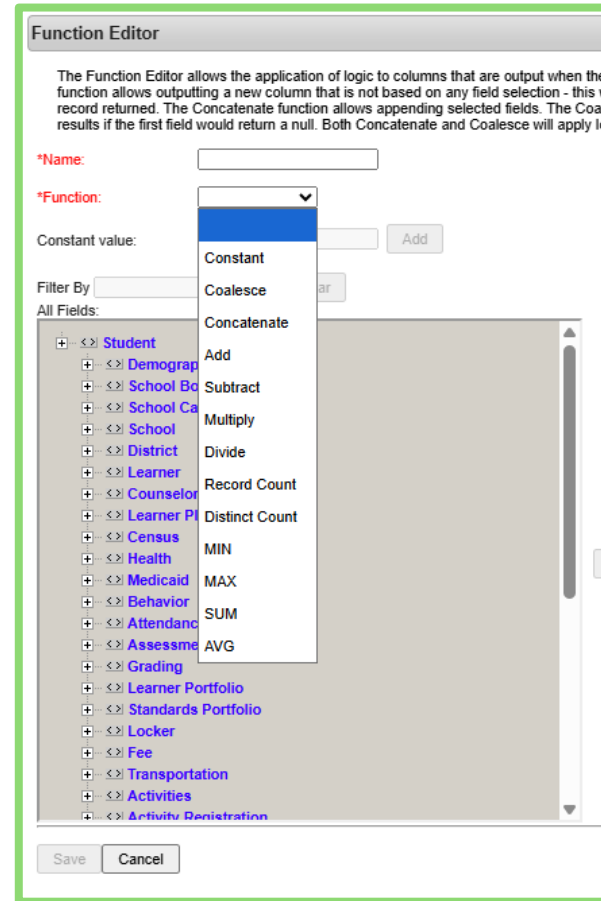
Functions

✓ 3 C's

- ✓ Concatenate
- ✓ Coalesce
- ✓ Constant

✓ Math Functions

✓ Aggregate Functions



The 3 C's



Concatenate

Allows field values to be changed when the filter is exported.



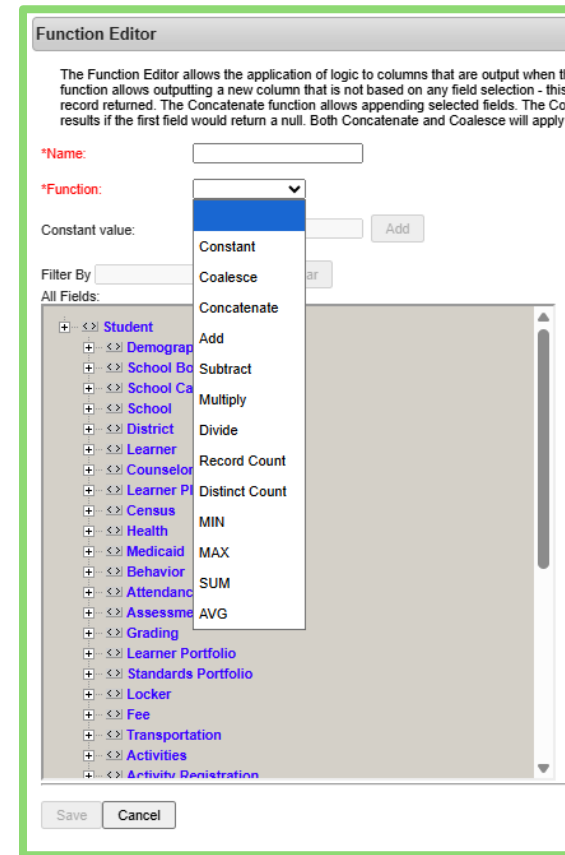
Coalesce

Allows users to define multiple fields where logic pulls the first field and if NULL, the second field is pulled and so on until a value is found.



Constant

Outputs the constant value entered on each record returned when the filter is exported.



Math Functions

✓ Add

✓ Subtract

✓ Multiply

✓ Divide

IMPORTANT:

- 1.) Must be NUMERICAL fields
- 2.) Must be DIFFERENT fields (i.e. grade, last name, student number)

Aggregate Functions



Record Count

Allows users to report a record count for the field selected. (How many results?)



Distinct Count

Allows users to report a distinct count for the field selected. (How many unique records?)



MIN



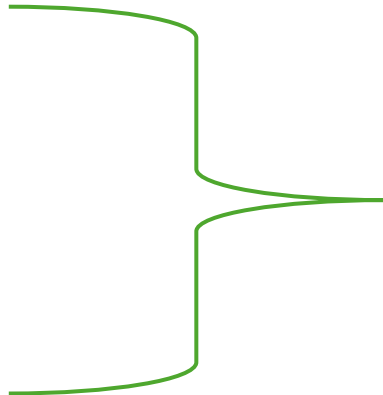
MAX



SUM



AVG



IMPORTANT:

Must be NUMERICAL fields

Logical Expressions and Record Output

Filter the data

ID	*Field	Operator	Value
1	student.lastName		
2	student.firstName		
3	student.studentNumber		
4	student.grade		
5	student.activeToday	= TRUE	
6	attendanceDetail.periodName	=	1
7	attendanceDetail.date		
8	attendanceDetail.status	=	A
9	attendanceDetail.description	IN	Field Trip

Add

Logical Expression (Optional):
5 AND 6 AND 8 AND (NOT 9)

If logical expression is left blank, all operators will be applied.
Allowed symbols: AND OR NOT () IDs
Example Syntax: (1 AND (2 OR 3) AND 4 AND (NOT 5 OR 6))

Filter the data

ID	*Field	Operator	Value
1	student.lastName		
2	student.firstName		
3	student.studentNumber		
4	student.grade	=	09
5	student.activeToday	= TRUE	
6	student.gender		
7	student.raceEthnicity		
8	contacts.guardian	= TRUE	
9	contacts.email	IS NULL	
10	courseSection.courseName	CONTAINS	English
11	courseSection.courseName	CONTAINS	Algebra

Add

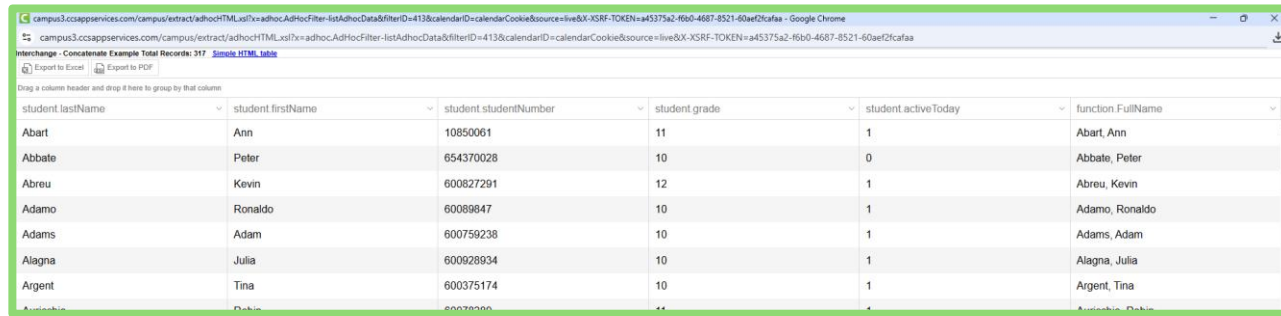
Logical Expression (Optional):
4 AND 5 AND 8 AND 9 AND (10 OR 11)

If logical expression is left blank, all operators will be applied.
Allowed symbols: AND OR NOT () IDs
Example Syntax: (1 AND (2 OR 3) AND 4 AND (NOT 5 OR 6))



Incorporate conditions between fields within a filter

Embedding Ad Hoc Reports



student.lastName	student.firstName	student.studentNumber	student.grade	student.activeToday	function.FullName
Abart	Ann	10850061	11	1	Abart, Ann
Abbate	Peter	654370028	10	0	Abbate, Peter
Abreu	Kevin	600827291	12	1	Abreu, Kevin
Adamo	Ronaldo	60089847	10	1	Adamo, Ronaldo
Adams	Adam	600759238	10	1	Adams, Adam
Alagna	Julia	600928934	10	1	Alagna, Julia
Argent	Tina	600375174	10	1	Argent, Tina

Interchange Ad Hoc Links >

Interchange Ad Hoc Links

Interchange - 3 C's Ad Hocs

[Coalesce Example Ad Hoc](#)
[Concatenate Example Ad Hoc](#)
[Constant Example Ad Hoc](#)

Session Surveys

We want your feedback!

Submit session surveys for a chance to win
a **Yeti FLIP 8 Cooler**





Thank You!

