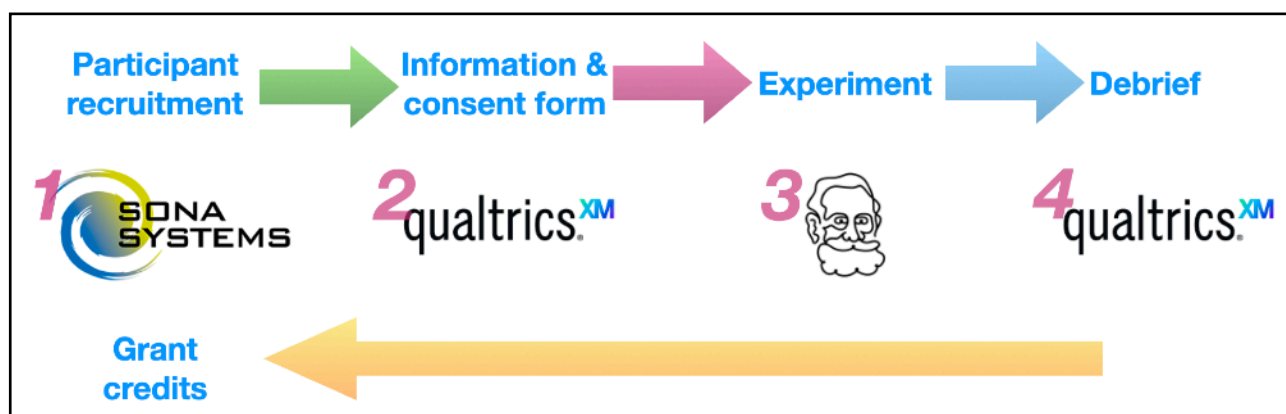


## Daisy-chaining SONA to Qualtrics and/or Pavlovia

Last updated May 2021 to reflect Qualtrics' new Survey Builder

• This example connects the following four components: (1) a SONA study, to (2) information sheet and consent form on Qualtrics, to (3) a computerised task on Pavlovia, to (4) a second Qualtrics page for debrief, and back to (1) SONA where credits will automatically be granted.



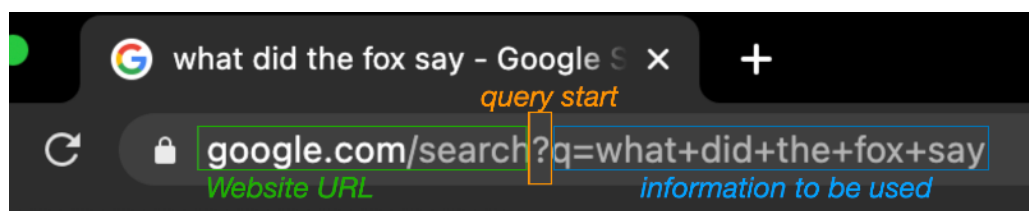
Flowchart of this example study

• If you are not using one or more of these components (e.g., your study flow is only: SONA > Qualtrics > SONA), these instructions can be adapted by skipping those components and using the URL of the next component you are using.

• All four components need to already be created before you can start connecting them, because each one requires the URL of the upcoming component.

• This guide is split into two parts. Part A details the locations of the URLs within each component, while Part B walks you through how to edit each component to add the URLs leading to the next component.

• A participant's ID is passed along automatically via *URL queries*. Queries are additional characters attached to the end of a regular URL (denoted by a '?') which allows the linked website to make use of that bit of information.



A generic example of a query string


•**Part A:** Information you will require from each component (I recommend having these four URLs copied/pasted onto a text editor to make it easy to edit them later for Part B):

**1a SONA** - the URL listed under “Qualtrics Redirect to a URL”, found in Study Information.

In this example, the URL for my study is:

[https://dmu.sona-systems.com/webstudy\\_credit.aspx?experiment\\_id=1213&credit\\_token=3d29596df5604e338be9c9e43528c183&survey\\_code=\\${e://Field/id}](https://dmu.sona-systems.com/webstudy_credit.aspx?experiment_id=1213&credit_token=3d29596df5604e338be9c9e43528c183&survey_code=${e://Field/id})

#### Study Information

Study Name	ExampleExperiment
Study Type	 <b>Online External Study</b> This study is an online study located on another website. Participants are not given access to the Study URL until after they sign up for the study.
Study Status	<b>Not visible to participants : Not Approved</b> <a href="#">Send Request</a> <b>Inactive study :</b> Does not appear on list of available studies <b>Online (web) study :</b> Administered outside the system
Duration	30 minutes
Credits	0.5 Credits
Website	<a href="#">View Study Website</a> <a href="#">Sample Link with Embedded ID Code</a> <b>Qualtrics Redirect to a URL</b> <a href="https://dmu.sona-systems.com/webstudy_credit.aspx?exp">https://dmu.sona-systems.com/webstudy_credit.aspx?exp</a>

**2a Qualtrics** Information sheet - the Anonymous Survey Link, found under Distributions.

This example:

[https://dmupsy.qualtrics.com/jfe/form/SV\\_1NrwbD71LSE4OGO](https://dmupsy.qualtrics.com/jfe/form/SV_1NrwbD71LSE4OGO)

Survey Actions **Distributions** Data & Analysis Reports

[Pause response collection](#)

**Distribution summary**

[Anonymous link](#)

[Emails](#)

[Personal links](#)

[Social media](#)

**Anonymous Survey Link**

A reusable link that can be pasted into emails or onto a website, and is unable to track identifying information of respondents.

[https://dmupsy.qualtrics.com/jfe/form/SV\\_1NrwbD71LSE4OGO](https://dmupsy.qualtrics.com/jfe/form/SV_1NrwbD71LSE4OGO)

[Customize Link](#)

**3a Pavlovia** study URL

Make sure that the experiment has been set to “Running”.

This example:

<https://run.pavlovia.org/nabil.hasshim/exampleexperiment>

Docs Explore Dashboard Store Sign Out

**exampleExperiment**

Keywords:

Software Platform:  Python Version:

[View code](#) [Pilot](#) [Run](#)

**Status**

**INACTIVE** This experiment is available on the Pavlovia server but cannot be run. Change the status to **PLOTTING** to test it, and it is minimal, to make it available to participants.

**PLOTTING** You can pilot the experiment to test that it is working adequately. Pressing the **Pilot** button below generates a new URL, which is valid for 30 seconds.

**RUNNING** Participants can use the experiment, provided that they meet the constraints of recruitment policy and that sufficient credits or a valid ID are available.

**Recruitment**

[URL](#) [Change](#)

Anyone missing the experiment URL can obtain it by opening the experiment page and clicking on the **URL** button.

<https://run.pavlovia.org/nabil.hasshim/exampleexperiment>

**Saving Results**

[Format](#)

[CSV](#) [DATABASE](#)

Experiment results are saved in CSV files, which are stored on the Pavlovia server and in the experimenters' local database.

**Income**

[5000 Income](#)

All results will be used to complete the experiment. If the experiment is to be used for a session, even those per

#### 4a Qualtrics Debrief sheet - Anonymous Survey Link, similar to the earlier Qualtrics component

This example:

[https://dmupsy.qualtrics.com/jfe/form/SV\\_0AE6NwpO5aPRwgu](https://dmupsy.qualtrics.com/jfe/form/SV_0AE6NwpO5aPRwgu)

## Part B: Making use of the information from Part A

### 1b SONA - Go to *Study Menu* > *Change Study Information*

Under *Study URL*, enter the URL from **2a** (your Qualtrics information sheet anonymous link) with the addition of the following query string:

?id=%SURVEY\_CODE%

This means that when participants are sent to the Qualtrics page, they will carry with them a variable called “id” with their SONA ID as the value.

This example:

[https://dmupsy.qualtrics.com/jfe/form/SV\\_1NrwbD71LSE4OGO?id=%SURVEY\\_CODE%](https://dmupsy.qualtrics.com/jfe/form/SV_1NrwbD71LSE4OGO?id=%SURVEY_CODE%)

Is this a web-based study? Yes -- Study is administered outside the system

Study URL [https://dmupsy.qualtrics.com/jfe/form/SV\\_1NrwbD71LSE4OGO?id=%SURVEY\\_CODE%](https://dmupsy.qualtrics.com/jfe/form/SV_1NrwbD71LSE4OGO?id=%SURVEY_CODE%)

Study URL Display ☒ Yes

### 2b Qualtrics Information sheet - In *Survey flow*, add 2 new elements using “+ Add a New Element Here”. The first element should be *Embedded Data*, and the second *End of Survey*.

For the first element, set the value to be “id” (you can just type it in instead of using the drop-down menus).

This tells Qualtrics to recognise the “id” variable that we attached to participants in the previous step.

Survey flow Published

Set Embedded Data: id Value will be set from Panel or URL. Set a Value Now Add a New Field

Show Block: Default Question Block (5 Questions)

End of Survey Move Duplicate Customize Delete

+ Add a New Element Here

Next, when you go back to the survey *Builder*, there will be an *End of Survey* block at the bottom of the page.

This is where you set the URL to redirect participants to for the next component of the study.

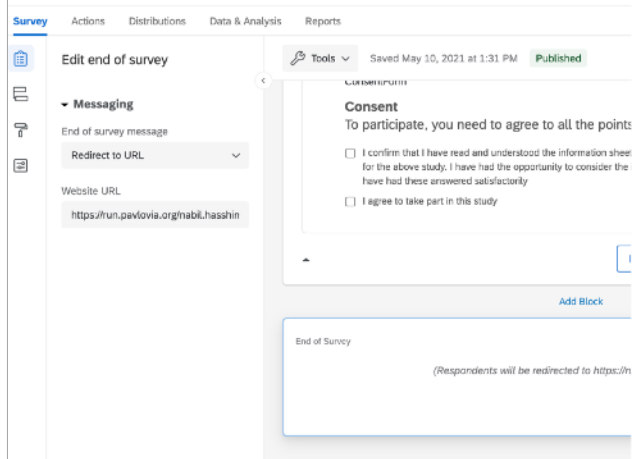
In this example, the next component will be the Pavlovian page and the URL will include the following query string:

```
?participant=${e://Field/id}
```

This will attach a variable called “participant” with the value of the participant’s ID. The reason for the new variable name is because “participant” is the default variable name in PsychoPy, and instead of messing with that and potentially causing a problem, it’s easier to just rename it here.

This example:

```
https://run.pavlovian.org/nabil.hasshim/  
exampleexperiment?participant=${e://Field/id}
```



**3b Pavlovian** - In the PsychoPy experiment, go to *experiment settings* (gear icon) > *Online* > *Completed URL* and enter:

\$“  
Followed by the second Qualtrics URL (from **4a**),  
with the following query appended to the end:

```
id="+expInfo['participant']
```

This assigns the variable “id” with the value of ‘participant’ (which is the participant’s ID). The \$ lets PsychoPy know that it’s a variable and the inverted commas defines the URL as a string.

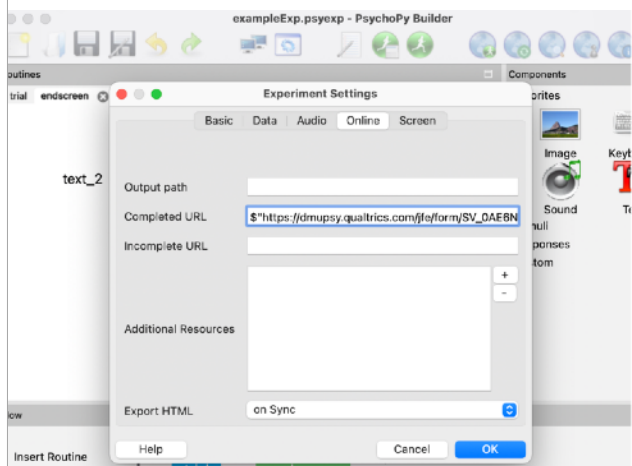
This example:

```
$“https://dmupsy.qualtrics.com/jfe/form/  
SV_0AE6NwpO5aPRwgu?id="+expInfo['participant']
```

#### A few notes:

1 - remember to re-sync the PsychoPy experiment with Pavlovian.

2 - If you are copy/pasting code, some word processors use smart quotes to automatically turn you inverted commas into open/close inverted commas (the curly ones with direction). This can confuse PsychoPy if inverted commas are in the wrong order. I suggest disabling formatting and use straight quotes.



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**4b Qualtrics** Debrief sheet - Set up the survey flow with *Embedded Data* and *End of Survey* elements, just like in component 2b.

For the *End of Survey* redirect URL, enter the completion URL provided by SONA (component 1a). That's it!

You don't need to attach the ID this time because SONA can identify them from their login details. If your experiment takes a while to complete, and their SONA login times out, then SONA will prompt them to log back in.

If done correctly, participants will be automatically linked to each component and automatically receive their credits once they are redirected back to SONA at the end. The same ID will also be reflected in the data collected in Pavlovia and the two Qualtrics surveys.