



Conditional Control

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1. Conditional display
2. Conditional skip forward

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Conditional Question Display

Conditional question display

Which is your favorite type of penguin?

- ☐ Adélie
- ☐ Chinstrap
- ☐ Gentoo
- ☐ Other

Next

Conditional question display

Define both *conditional* and *target* questions in `survey.qmd`

```
# Conditional question
sd_question(
  type = "mc",
  id = "penguins",
  label = "Which is your favorite type of penguin?",
  option = c(
    "Adélie" = "adelie",
    "Chinstrap" = "chinstrap",
    "Gentoo" = "gentoo",
    "Other" = "other"
  )
)

# Target question
sd_question(
  type = "text",
  id = "penguins_other",
  label = "Please specify the other penguin type:"
)
```

Conditional question display

Define condition with `sd_show_if` in `app.R`

```
server <- function(input, output, session) {  
  sd_show_if(  
    input$penguins == "other" ~ "penguins_other"  
  )  
  
  # ...other server code...  
}
```

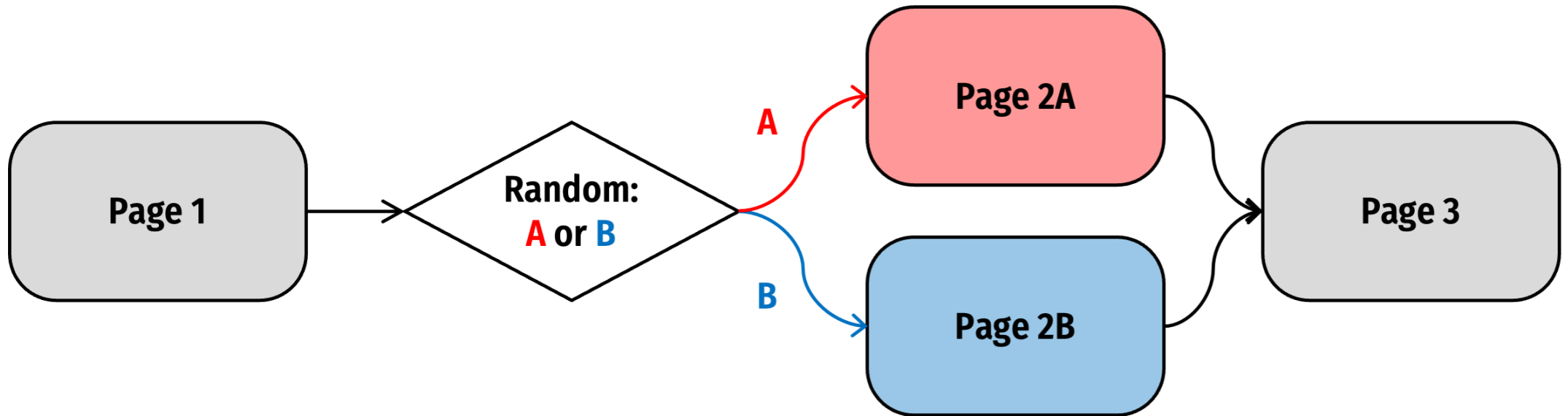
1) The structure of the condition is always:

```
<condition> ~ "target_question_id"
```

2) Note the use of `input$penguins`

Conditional Page Display

Example: Randomly display one of two page versions



First, define all pages in your `survey.qmd` file:

```
 ::: {.sd_page id=page1}
This is page 1
```{r}
sd_next()
```

 :::

 ::: {.sd_page id=page2a}
This is page 2A
```{r}
sd_next()
```

 :::
```

```
 ::: {.sd_page id=page2b}
This is page 2B
```{r}
sd_next()
```

 :::

 ::: {.sd_page id=page3}
This is page 3
```{r}
sd_close()
```

 :::
```

In `app.R`:

```
server <- function(input, output, session)
{
  # Generate random condition
  rand_val <- sample(c('A', 'B'), 1)

  # Store the condition value
  sd_store_value(rand_val)

  # Use sd_show_if to show target pages
  sd_show_if(
    rand_val == 'A' ~ 'page2a',
    rand_val == 'B' ~ 'page2b'
  )

  sd_server()
}
```

Conditional Control

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Example: **Participant screen out**

Example: **Participant screen out**

Do you own a vehicle?

☐ Yes

☐ No

Next

In `survey.qmd`: Target screenout question

```
sd_question(  
  type = 'mc',  
  id    = 'vehicle_ownership',  
  label = "Do you own a vehicle?",  
  option = c(  
    'Yes' = 'yes',  
    'No'  = 'no'  
  )  
)
```

Target screenout page

```
::: {.sd_page id=screenout}  
  
Sorry, but you are not qualified  
to take our survey.  
  
:::
```

In `app.R`:

```
server <- function(input, output, session) {  
  sd_skip_if(  
    input$vehicle_ownership == "no" ~ "screenout"  
  )  
  
  # ...other server code...  
}
```

For both conditional display and conditional skip forward,
there are lots of **conditions to choose from**

Your turn

15:00

- Open the survey you were editing from your last practice.
- Add conditional logic content:
 - Add one simple multiple choice question about your survey topic and another that will only display depending on a specific choice in the first question.
 - Add a target page that respondents should be sent to based on their choices in another question in an earlier page (e.g., a multiple choice question).