

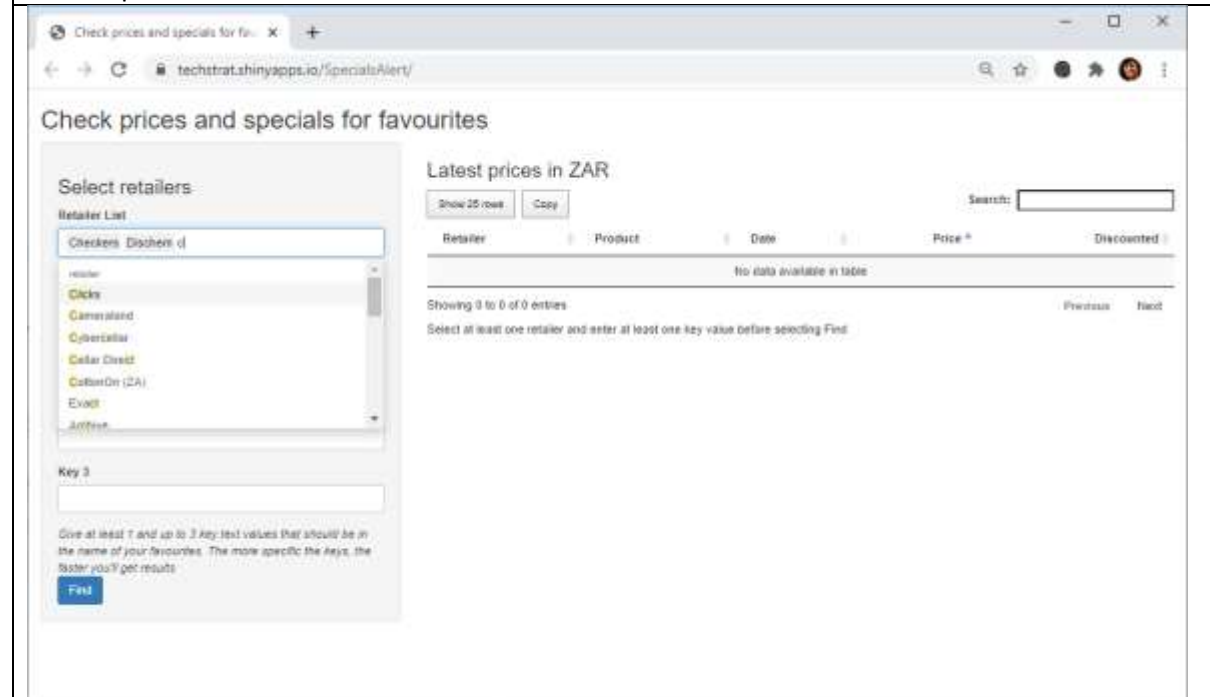
## Favourites Finder and the trundler api

Lindt Excellence is delicious. It is also pricy. Which is why I stock up when I happen to notice that they are on special. If only I had an app where I can check for Lindt Excellence specials...

The **Favourites Finder** does exactly that. The r shiny app allows you to select up to 5 retailers, give up to 3 key words the product has in common across the retailers and click find. Within minutes the **Favourites Finder** lists the Retailer, Product and up to date price.

<https://techstrat.shinyapps.io/SpecialsAlert/>

Select up to 5 retailers in the Retailer List



Check prices and specials for favourites

Select retailers:

Retailer List

Checkers Dischem Clicks

Clicks  
Gamestop  
Cybercell  
Cedar Crest  
Colson On (ZA)  
Evox  
Joffrey

Key 3

Give at least 1 and up to 3 key-text values that should be in the name of your favourites. The more specific the keys, the faster you'll get results.

Find

Latest prices in ZAR

Show 25 rows Copy

Search:

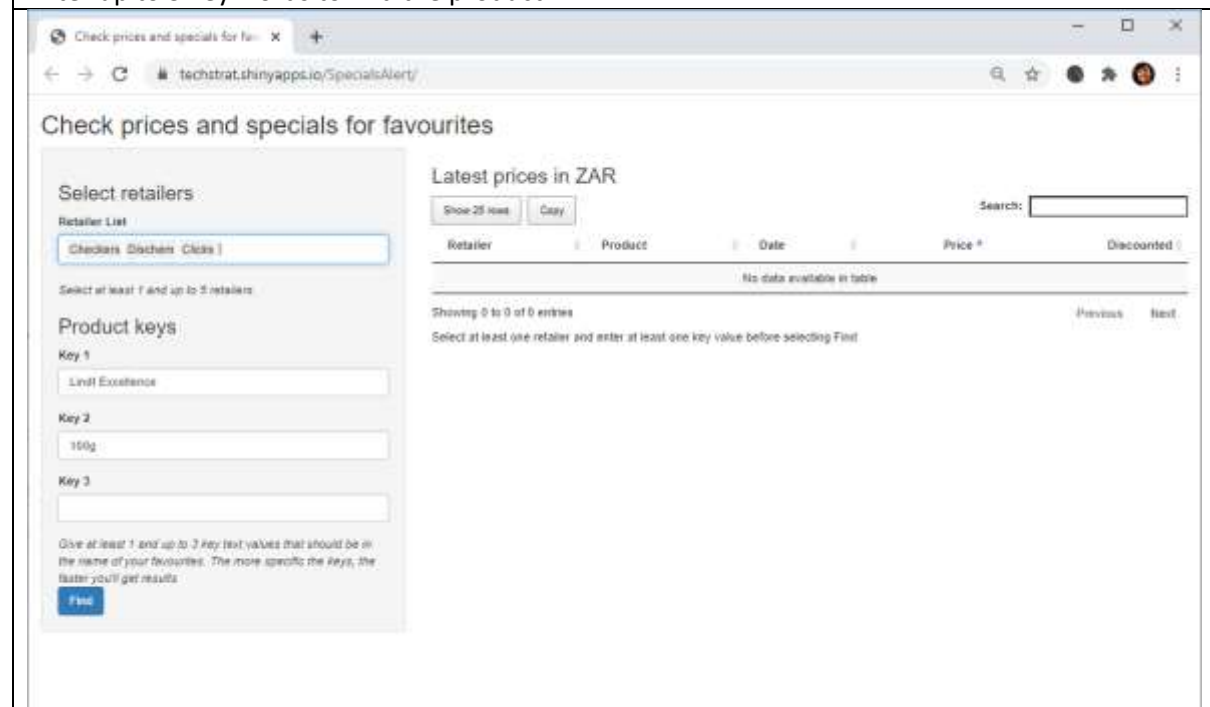
Retailer	Product	Date	Price *	Discounted
No data available in table				

Showing 0 to 0 of 0 entries

Select at least one retailer and enter at least one key value before selecting Find

Previous Next

Enter up to 3 key words to find the product



Check prices and specials for favourites

Select retailers:

Retailer List

Checkers Dischem Clicks

Select at least 1 and up to 5 retailers

Product keys

Key 1

Lindt Excellence

Key 2

100g

Key 3

Give at least 1 and up to 3 key-text values that should be in the name of your favourites. The more specific the keys, the faster you'll get results.

Find

Latest prices in ZAR

Show 25 rows Copy

Search:

Retailer	Product	Date	Price *	Discounted
No data available in table				

Showing 0 to 0 of 0 entries

Select at least one retailer and enter at least one key value before selecting Find

Previous Next

## Select Find and....

Check prices and specials for favourites

Select retailers

Retailer List

Checkers Dischem Clicks

Select at least 1 and up to 3 retailers.

Product keys

Key 1

Lindt Excellence

Key 2

100g

Key 3

Give at least 1 and up to 3 key text values that should be in the name of your favourites. The more specific the keys, the faster you'll get results.

Find

Latest prices in ZAR

Show 25 rows Copy

Search:

Retailer	Product	Date	Price *	Discounted
----------	---------	------	---------	------------

Showing 0 to 0 of 0 entries.

Select at least one retailer and enter a product key value before searching.

## See the latest listings

Check prices and specials for favourites

Select retailers

Retailer List

Checkers Dischem Clicks

Select at least 1 and up to 3 retailers.

Product keys

Key 1

Lindt Excellence

Key 2

100g

Key 3

Give at least 1 and up to 3 key text values that should be in the name of your favourites. The more specific the keys, the faster you'll get results.

Find

Latest prices in ZAR

Show 25 rows Copy

Search:

Retailer	Product	Date	Price *	Discounted
Clicks	No products		R0.00	R0.00
Dischem	Lindt Excellence 100g Dark 70%	2020-02-19	R39.95	R0.00
Checkers	Lindt Excellence Cranberry, Almond & Hazelnut Dark Chocolate Slab 100g	2020-05-21	R42.98	R0.00
Dischem	Lindt Excellence 100g	2020-08-18	R49.95	R0.00
Dischem	Lindt Excellence 100g Chocolate Slab Mild 70%	2020-08-19	R49.95	R0.00
Dischem	Lindt Excellence 100g Dark 85%	2020-08-19	R49.95	R0.00
Dischem	Lindt Excellence 100g Dark Chili	2020-08-19	R49.95	R0.00
Dischem	Lindt Excellence 100g Dark Mint	2020-08-18	R49.95	R0.00
Dischem	Lindt Excellence 100g Dark Sea Salt	2020-08-19	R49.95	R0.00
Dischem	Lindt Excellence 100g Dark Sesame	2020-08-19	R49.95	R0.00
Dischem	Lindt Excellence 100g Extra Creamy	2020-08-19	R49.95	R0.00
Dischem	Lindt Excellence 100g Lemon Ginger	2020-04-15	R49.95	R0.00
Dischem	Lindt Excellence 100g Lime Intense	2020-08-18	R49.95	R0.00
Dischem	Lindt Excellence 100g Orange Intense	2020-08-19	R49.95	R0.00
Dischem	Lindt Excellence 100g Roasted Hazelnut	2020-08-18	R49.95	R0.00

Use the interactive table to sort the columns, adjust the number of rows to display, filter search by any text value and Copy the table entries to the clipboard to paste into another application.

The Shiny app uses the **trundler api**. It calls three functions from the trundler package:

- `retailer()` – returns the complete list of retailers
- `retailer_products()` – returns a list of products containing the key phrases per retailer
- `product_prices()` – returns recent prices for a specific product

Other package used are: Shiny, tibble, dplyr, DT

### **Suggested additions to the trundler api**

1. A function that returns the latest price for a product. Currently the `product_prices()` function returns a history of prices for the product. This application only needs the latest price.
2. A function that returns a list of products along with their latest prices. This application calls `retailer_products()` to return the product list and then makes a call for each product with `product_prices()` to get the latest price.