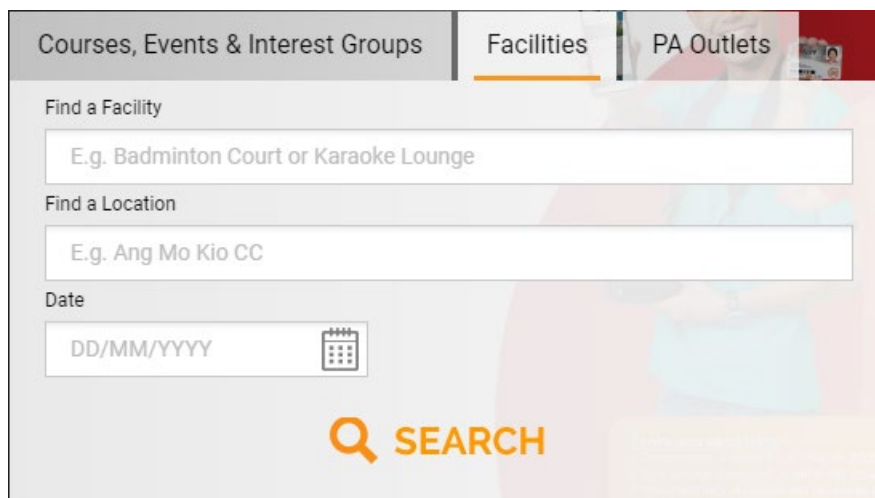


## Homework #2: Booking of Badminton Court

On completion of the following homework, you will learn the skill of:

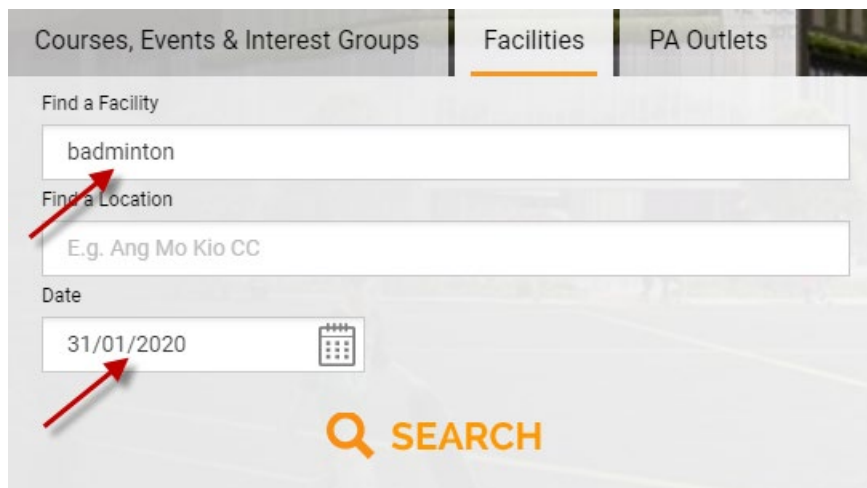
- Selecting dates in popup date field
- Grabbing information that spans across multiple pages. This is very common in, for example, Google Search and Amazon Search.
- Knowing when you hit the last page of the search page
- Organizing the codes to facilitate debugging and code re-use

1. Goto: <https://www.onepa.sg/> and click the 2nd tab: Facilities. You will see:




The screenshot shows the 'Facilities' tab selected in the top navigation bar. Below the navigation bar, there are three input fields: 'Find a Facility' with placeholder text 'E.g. Badminton Court or Karaoke Lounge', 'Find a Location' with placeholder text 'E.g. Ang Mo Kio CC', and 'Date' with placeholder text 'DD/MM/YYYY' and a calendar icon. A large orange 'SEARCH' button is positioned below the input fields.

2. Enter "badminton" in Facility, and choose the date 31 Jan 2019 and click the Search button:



The screenshot shows the same 'Facilities' search page, but with the input fields filled. The 'Find a Facility' field contains 'badminton', the 'Find a Location' field contains 'E.g. Ang Mo Kio CC', and the 'Date' field contains '31/01/2020'. Red arrows point to the 'badminton' text and the '31/01/2020' date. The orange 'SEARCH' button is still visible at the bottom.

3. Click the icon on the right to view the results in Tab list format:

 / Search Result

You have searched for keyword badminton

**Filters**

**Location**

☐ ACE The Place CC  
☐ Anchorvale CC  
☐ AYER RAJAH CC  
☐ BEDOK CC  
☐ BOON LAY CC  
☐ Braddell Heights CC

**Courses, Events & Interest Groups**



**Facilities**

**SEARCH**

**PA Outlets**

1-21 of 76 results

Sort By -Select-





Facility 46700CMCPA-BM

**Badminton Courts**

SGD 7.00 SGD 6.30

Location Hougang CC

 Shortlist Item


 Share


Facility 58300CMCPA-BM

**Badminton Courts**

SGD 6.00 SGD 5.40

Location Toa Payoh South CC

 Shortlist Item


 Share


Facility 59100CMCPA-BM

**Badminton Courts**


SGD 12.00 SGD 10.80

Location WHAMPOA CC

 Shortlist Item

 Share

4. What you need to do is to grab 2 pieces of information:
- The location (i.e. the name of the CC)
  - The discounted price
- for each of the 76 results as shown below:

 / Search Result

You have searched for keyword badminton

**Filters**

**Location**

☐ ACE The Place CC  
☐ Anchorvale CC  
☐ AYER RAJAH CC  
☐ BEDOK CC  
☐ BOON LAY CC  
☐ Braddell Heights CC

**Courses, Events & Interest Groups**



**Facilities**

**SEARCH**

**PA Outlets**

1-21 of 76 results

Sort By -Select-





Facility 46700CMCPA-BM

**Badminton Courts**

SGD 7.00 SGD 6.30

Location Hougang CC

 Shortlist Item


 Share


Facility 58300CMCPA-BM

**Badminton Courts**

SGD 6.00 SGD 5.40

Location Toa Payoh South CC

 Shortlist Item


 Share


Facility 59100CMCPA-BM

**Badminton Courts**

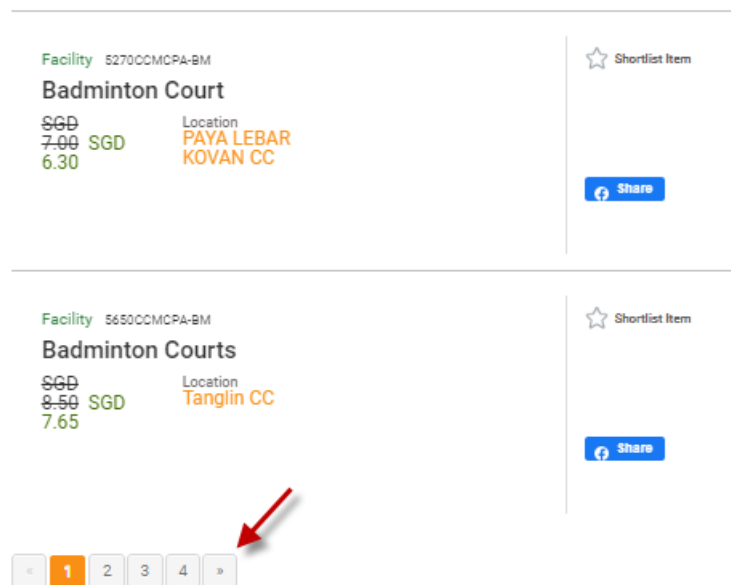
SGD 12.00 SGD 10.80

Location WHAMPOA CC

 Shortlist Item

 Share

- Note that each page contains only 21 results. So when you reach the end of page 1, you need click the “Next” button at the end of the page to go to the next page:



- You will find that when you reach the last page, the “Next” button will no longer be active. You can use the `t.isPresent()` function to test for the presence of the “Next” button so that you know if you have reached the end of the page.
- Save the detailed info of each search result in a .csv or Excel file called “badminton” as shown below. There should be a total of about 76 entries.

	A	B	C
1	Sno	Location	Price
2	1	Hougang CC	SGD 6.30
3	2	Toa Payoh South CC	SGD 5.40
4	3	WHAMPOA CC	SGD 10.80
5	4	JOO CHIAT CC	SGD 4.50
6	5	KAMPONG UBI CC	SGD 4.50
7	6	SIGLAP CC	SGD 4.50
8	7	YEW TEE CC	SGD 5.40
9	8	MACPHERSON CC	SGD 5.40
10	9	EUNOS CC	SGD 5.40
11	10	Hwi Yoh CC	SGD 4.50
12	11	Pasir Ris East CC	SGD 5.40

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•  
•

71	70	KIM SENG CC	SGD 5.40
72	71	CANBERRA CC	SGD 9.00
73	72	BEDOK CC	SGD 2.70
74	73	Braddell Heights CC	SGD 9.00
75	74	THE FRONTIER CC	SGD 5.40
76	75	KEBUN BARU CC	SGD 8.10
77	76	Nanyang CC	SGD 4.50

8. Your submissions should include 2 files:

- a) The jupyter notebook (.ipynb) file containing the TagUI-Python scripts. Please run the script before you upload so that I can see the output generated in the jupyter notebook.
- b) badminton.csv or badminton.xls – containing the Name and Price of each CC

Please zip up these 2 files and upload the file to LumiNUS as `<student_id>_<name>.zip`