Sample input and output of Task 5 and 6

Task 5

Input:

Team T-22: Course Scraper — □ ✕

| Main | Backend | Filter | List | Timetable | All Subject Search | SFQ |

Base URL `https://w5.ab.ust.hk/wcq/cgi-bin/`
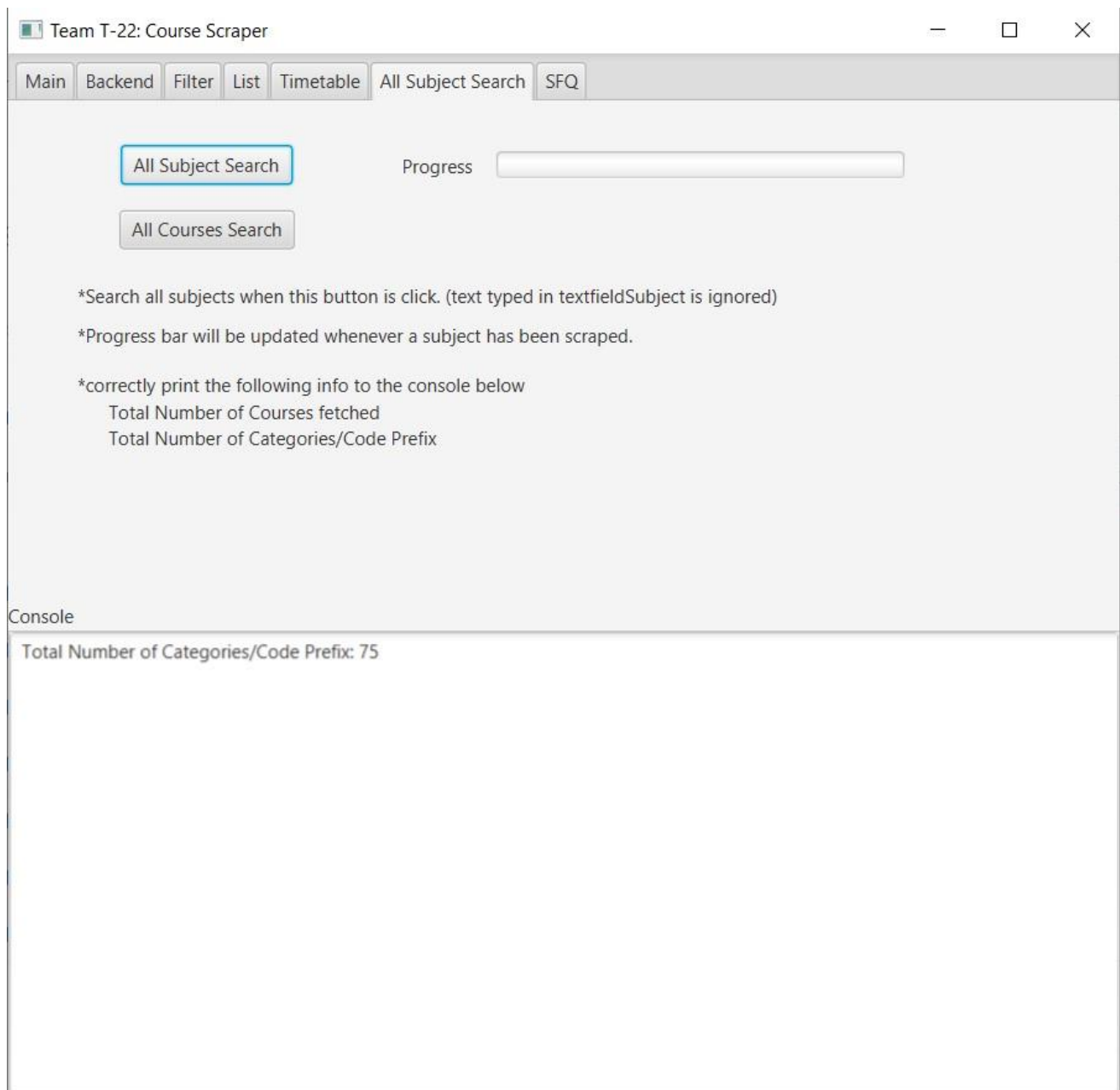
Term `1910`

Subject `COMP`

Search

Show All Subject Courses

Please note that during grading we will save the Base URL into another site and manually edit some data. Don't hardcode

Console

After clicking "All Subject Search" button,

Team T-22: Course Scraper

| Main | Backend | Filter | List | Timetable | All Subject Search | SFQ |

All Subject Search   Progress

All Courses Search

*Search all subjects when this button is click. (text typed in textfieldSubject is ignored)

*Progress bar will be updated whenever a subject has been scraped.

*correctly print the following info to the console below
    Total Number of Courses fetched
    Total Number of Categories/Code Prefix

Console

Total Number of Categories/Code Prefix: 75

After Clicking "All Courses Search" button and during searching,

Team T-22: Course Scraper   — ☐ ✕

| Main | Backend | Filter | List | Timetable | All Subject Search | SFQ |

All Subject Search   Progress [▇▇▇▇▇▇▇░░░░░░░░░░░░░░░░░░]

All Courses Search

*Search all subjects when this button is click. (text typed in textfieldSubject is ignored)

*Progress bar will be updated whenever a subject has been scraped.

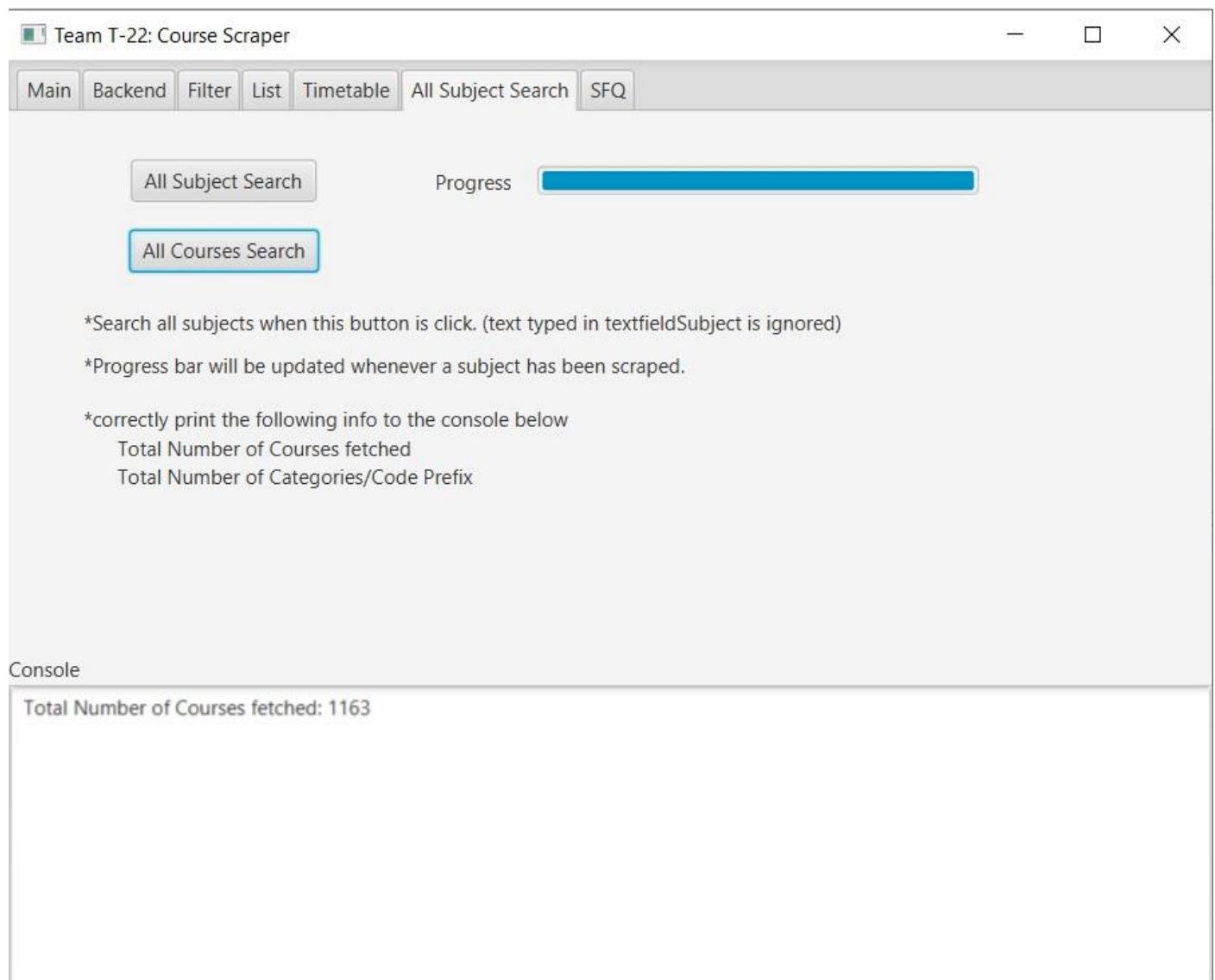*correctly print the following info to the console below
    Total Number of Courses fetched
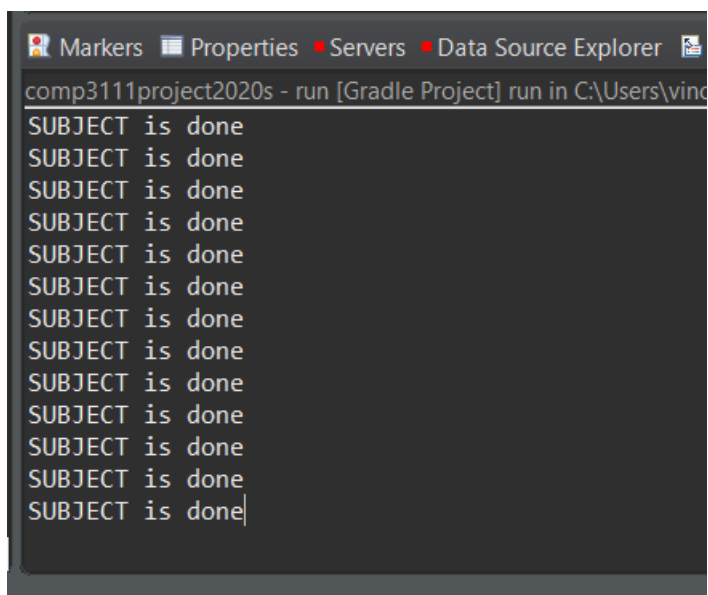   Total Number of Categories/Code Prefix

Console

Total Number of Courses fetched: 298

Finish all courses search,

System output "Subject is done" while searching all courses.

After all courses search, make the Subject textfield as "(All Subjects)" and enable "Show All Subject Courses" button.

After clicking "Show All Subject Courses" button, show all courses scraped in "All Courses Search".

Team T-22: Course Scraper — □ ✕

| Main | Backend | Filter | List | Timetable | All Subject Search | SFQ |

Base URL   https://w5.ab.ust.hk/wcq/cgi-bin/

Term   1910

Subject   (All Subjects)   Search

Show All Subject Courses

Please note that during grading we will save the Base URL into another site and manually edit some data. Don't hardcode

Console

```
ACCT 2010 - Principles of Accounting I (3 units)
L01 (1023)
Tu09:00-10:20  Rm 1007, LSK Bldg
Th09:00-10:20  Rm 1007, LSK Bldg
L02 (1024)
Tu13:30-14:50  Rm 1007, LSK Bldg
Th13:30-14:50  Rm 1007, LSK Bldg
L03 (1025)
Tu15:00-16:20  Rm 1007, LSK Bldg
Th15:00-16:20  Rm 1007, LSK Bldg
L04 (1026)
Mo10:30-11:50  Rm 1007, LSK Bldg
We10:30-11:50  Rm 1007, LSK Bldg
L05 (1027)
Mo12:00-13:20  Rm 1007, LSK Bldg
We12:00-13:20  Rm 1007, LSK Bldg
L06 (1028)
```

"Filter" tab selection result includes all courses scraped in "All Courses Search".

Team T-22: Course Scraper — □ ✕

| Main | Backend | Filter | List | Timetable | All Subject Search | SFQ |

Select All

☐ AM   ☐ Monday   ☐ Common Core   ☑ With Labs or Tutorial
☐ PM   ☐ Tuesday   ☐ No Exclusion
              ☐ Wednesday   The section code of a Lab must begins
A course has a section at that   ☐ Thursday   with LA, tutorial must begins with T.
time/on that day. A section can be ☐ Friday   Code begins with R can be ignored.
lecture/tutorial/lab. Click AM + ☑ Saturday
Monday does not imply a course has   Common Core refers to 4Y
a section on Monday morning. It   CC; No Exclusion refers to
means there is a section in the   a course does not has any
morning, but that section may not be   exclusion. Information can
on Monday. However, that course   be founded on the pop-up
must have another Monday section.   text of the "COURSE INFO"

    * When the filter is applied, display all sections that fulfill all of these conditions; Print them to the console below on any
    change of checkbox

Console

BTEC 5630 - Recombinant DNA Technology and Bioproducts (3 units)
L1 (1344)
Sa14:00-17:20 Rm 4504, Lift 25-26
Sa14:00-17:20 Rm 4504, Lift 25-26
T1 (1345)
Sa17:30-17:50 Rm 4504, Lift 25-26
Sa17:30-17:50 Rm 4504, Lift 25-26

BTEC 5760 - Concepts in Bioprocessing (3 units)
L1 (1346)
Sa09:00-12:20 Rm 4504, Lift 25-26
Sa09:00-12:20 Rm 4504, Lift 25-26
T1 (1347)
Sa12:30-12:50 Rm 4504, Lift 25-26
Sa12:30-12:50 Rm 4504, Lift 25-26

CHMS 5201 - Analytical Instrumentation Laboratory I (3 units)

"List" tab shows all courses scraped in "All Courses Search".

Team T-22: Course Scraper

| Main | Backend | Filter | List | Timetable | All Subject Search | SFQ |

Course Code	Section	Course Name	Instructor	Enroll
BTEC5630	L1 (1344)	Recombinant DNA Technology and Bioproducts	[WONG, Wan Keung]	☑
BTEC5630	T1 (1345)	Recombinant DNA Technology and Bioproducts	[WONG, Wan Keung]	☐
BTEC5760	L1 (1346)	Concepts in Bioprocessing	[NG, Shi Chung, WONG, ...	☐
BTEC5760	T1 (1347)	Concepts in Bioprocessing	[NG, Shi Chung, WONG, ...	☑
CHMS5201	T1 (1081)	Analytical Instrumentation Laboratory I	[TUNG, Joanne Wai Ting, ...	☐
CHMS5201	LA1 (1080)	Analytical Instrumentation Laboratory I	[TUNG, Joanne Wai Ting, ...	☐
CHMS5202	T1 (1083)	Analytical Instrumentation Laboratory II	[TUNG, Joanne Wai Ting, ...	☑
CHMS5202	LA1 (1082)	Analytical Instrumentation Laboratory II	[TUNG, Joanne Wai Ting, ...	☐
CIVL6010G	T1 (1096)	Directed Studies	[TBA]	☐
COMP3511	L1 (1920)	Operating Systems	[LI, Bo]	☐

*Fill the table according to the result of the Filter. If the Filter cannot be correctly implemented, show all result scrapped.
All column are uneditable except Enroll. Each row in Enroll should contains a check box for user to enroll/unenroll a course

Console

BTEC 5630 - Recombinant DNA Technology and Bioproducts (3 units)
L1 (1344)
Sa14:00-17:20   Rm 4504, Lift 25-26
Sa14:00-17:20   Rm 4504, Lift 25-26

BTEC 5760 - Concepts in Bioprocessing (3 units)
T1 (1347)
Sa12:30-12:50   Rm 4504, Lift 25-26
Sa12:30-12:50   Rm 4504, Lift 25-26

CHMS 5202 - Analytical Instrumentation Laboratory II (3 units)
T1 (1083)
Sa10:00-10:50   TBA

Task 6

"Find SFQ with my enrolled courses" is disabled before any Search or All Courses Search.

Team T-22: Course Scraper

| Main | Backend | Filter | List | Timetable | All Subject Search | SFQ |

SFQ URL   file:///C:/Users/vinca/Desktop/School%20Summary%20Report.html

Find SFQ with my enrolled courses   List instructors' average SFQ

You may assume no login is required when you scrape the SFQ page

When Find SFQ button is clicked, unadjusted SFQ data will be printed (not the data inside []). If a course has multiple section,s only the course average is needed.

When List instructors average button is clicked, all unadjusted SFQ data of sections taught by an instructor will be added and divided by the number of sections he/she taught. Thus, there is no need to consider the number of students. We assume there will be no lab/tutorial section on this page.

Console

After clicking "Find SFQ with my enrolled courses" button after "All Courses Search" and enrolling in course ACCT2010, CIVL4320 and COMP1022Q,

Team T-22: Course Scraper   — ☐ ✕

| Main | Backend | Filter | List | Timetable | All Subject Search | SFQ |

SFQ URL   file:///C:/Users/vinca/Desktop/School%20Summary%20Report.html

[Find SFQ with my enrolled courses]   [List instructors' average SFQ]

You may assume no login is required when you scrape the SFQ page

When Find SFQ button is clicked, unadjusted SFQ data will be printed (not the data inside []). If a course has multiple section,s only the course average is needed.

When List instructors average button is clicked, all unadjusted SFQ data of sections taught by an instructor will be added and divided by the number of sections he/she taught. Thus, there is no need to consider the number of students. We assume there will be no lab/tutorial section on this page.

Console

SFQ ratings of enrolled course(s):
The course ACCT2010 does not appear in the provided URL
CIVL4320: 86.5%
COMP1022Q: 86.3%

After clicking "List instructors' average SFQ" button,

Team T-22: Course Scraper

| Main | Backend | Filter | List | Timetable | All Subject Search | SFQ |

SFQ URL   file:///C:/Users/vinca/Desktop/School%20Summary%20Report.html

[Find SFQ with my enrolled courses]   [List instructors' average SFQ]

You may assume no login is required when you scrape the SFQ page

When Find SFQ button is clicked, unadjusted SFQ data will be printed (not the data inside []). If a course has multiple section,s only the course average is needed.

When List instructors average button is clicked, all unadjusted SFQ data of sections taught by an instructor will be added and divided by the number of sections he/she taught. Thus, there is no need to consider the number of students. We assume there will be no lab/tutorial section on this page.

Console

```
SFQ ratings of instructors:
ABEYNAYAKE, Hiddadura Isura Malinda Mendis: 83.8%
ARYA, Sunil: 95.7%
BEN LETAIEF, Khaled: 97.5%
BENSAOU, Brahim: 91.0%
CAI, Lilong: 61.0%
CAI, Ning: 96.6%
CHAN, Chun Man: 92.3%
CHAN, Man Sun: 93.2%
CHAN, Shu Ning: 62.5%
CHAN, Yui Bun: 81.2%
CHAN,Ki Cecia: 84.8%
CHAU, Ying: 70.0%
CHEN, Kevin Jing: 62.1%
CHEN, Qifeng: 88.2%
CHEN, Qing: 83.4%
CHEN, Sherry: 100.0%
```