

Execution of task 3A

Tse Ching (SID:20598883)

Task Description

Generate a brief report in response to the queries on identifying the names that have maintained a high level of popularity within Top N over a given period.

Error Messages

If there is some invalid input, the system will show an error message and the corresponding field about the first invalid input it found on the console. For example,

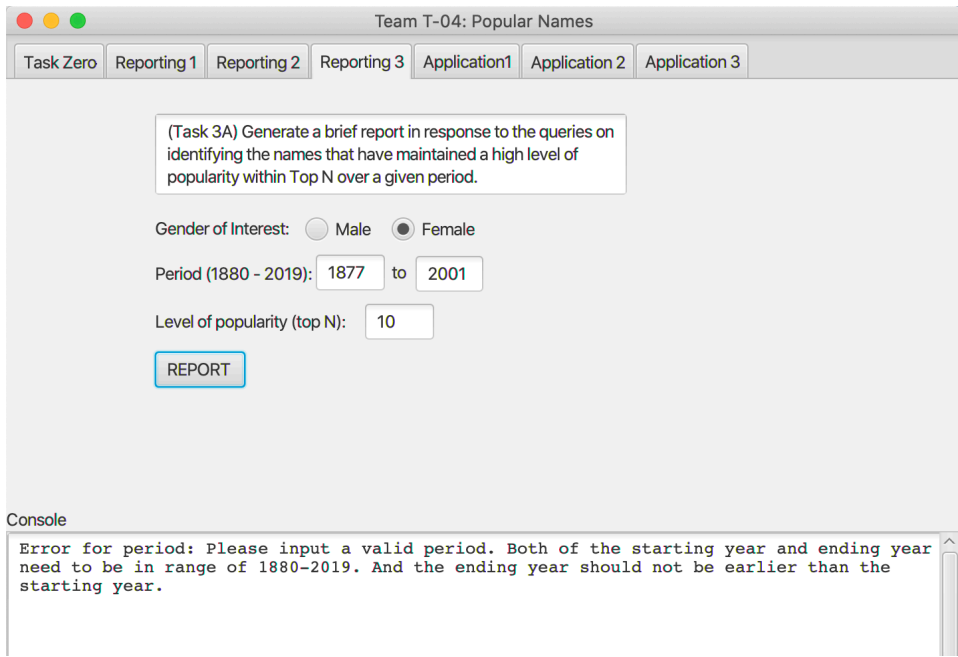


Fig 3.1 The output if user input a year out of range for the period

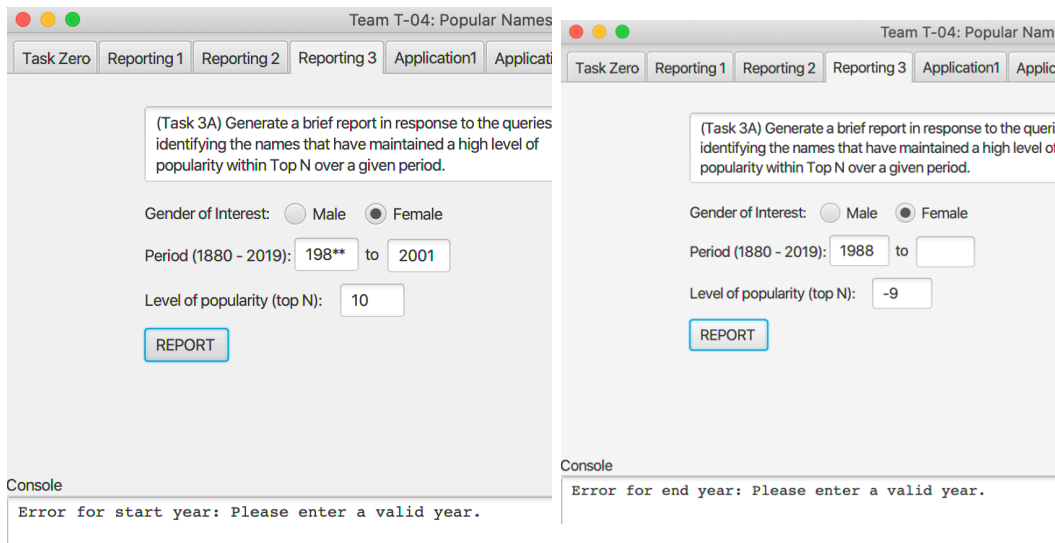


Fig 3.2(a)(b) The output if user input some invalid symbol/ null string

Accept “Semi-valid” Input

The system would accept input that is very close to valid input. In this task, it accepts input with extract spaces after of before the valid component.

(Task 3A) Generate a brief report in response to the queries on identifying the names that have maintained a high level of popularity within Top N over a given period.

Gender of Interest: ☐ Male ☒ Female

Period (1880 - 2019): 1999 to 2001

Level of popularity (top N): 10

REPORT

Console

8 names are found to be maintained at a high level of popularity within Top 10 over the period from year 1999 to year 2001.

Name	Highest Rank[Year]	Lowest Rank[Year]	Gross Trend
Alexis	3 1999	6 2000	DOWN for 3
Ashley	4 2000	6 1999	UP for 2
Elizabeth	9 2000	10 1999	UP for 1
Emily	1 1999	1 1999	FLAT
Hannah	2 1999	3 2001	DOWN for 1
Madison	2 2001	7 1999	UP for 5
Samantha	5 1999	7 2000	DOWN for 2
Sarah	4 1999	6 2001	DOWN for 2

Fig 3.3 The output if user input extract spaces

Valid Input

To have a stable view for the text table, the console is set with a monospace front.

(Task 3A) Generate a brief report in response to the queries on identifying the names that have maintained a high level of popularity within Top N over a given period.

Gender of Interest: ☐ Male ☒ Female

Period (1880 - 2019): 1880 to 2001

Level of popularity (top N): 1

REPORT

Console

0 names are found to be maintained at a high level of popularity within Top 1 over the period from year 1880 to year 2001.

Name	Highest Rank[Year]	Lowest Rank[Year]	Gross Trend
------	--------------------	-------------------	-------------

Fig 3.4 The output if no name meets all condition indicated by the input.

Team T-04: Popular Names

Task Zero

Reporting 1

Reporting 2

Reporting 3

Application1

Application 2

Application 3

(Task 3A) Generate a brief report in response to the queries on identifying the names that have maintained a high level of popularity within Top N over a given period.

Gender of Interest:

☒ Male
☐ Female

Period (1880 - 2019):

1880

to

2019

Level of popularity (top N):

999

REPORT

Console

479 names are found to be maintained at a high level of popularity within Top 999 over the period from year 1880 to year 2019.

Name	Highest Rank[Year]	Lowest Rank[Year]	Gross Trend
Aaron	28 1984	255 1945	UP for 227
Abe	155 1881	870 2008	DOWN for 715
Abel	124 2015	478 1927	UP for 354
Abner	161 1881	772 2008	DOWN for 611
Abraham	113 1881	441 1967	DOWN for 328
Abram	162 1881	666 1992	DOWN for 504
Adam	18 1983	389 1948	UP for 371
Addison	174 1881	841 2019	DOWN for 667
Adrian	56 2008	368 1943	UP for 312
Al	172 1881	914 2016	DOWN for 742
Albert	14 1910	444 2016	DOWN for 430
Alden	186 1881	698 2008	DOWN for 512
Alex	47 1995	254 1952	UP for 207
Alexander	4 2009	227 1960	UP for 223

Fig 3.5 The output if user input a long period and large level of popularity