

Task 2 & 5 Screenshots

Task 2 input & Summary output:

Team T-05: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #2: K-th Popular Names (data reporting)

Generate a report in response to the queries on the K-th popular names over a given period.

Starting Year

Ending Year

Ranking

Gender

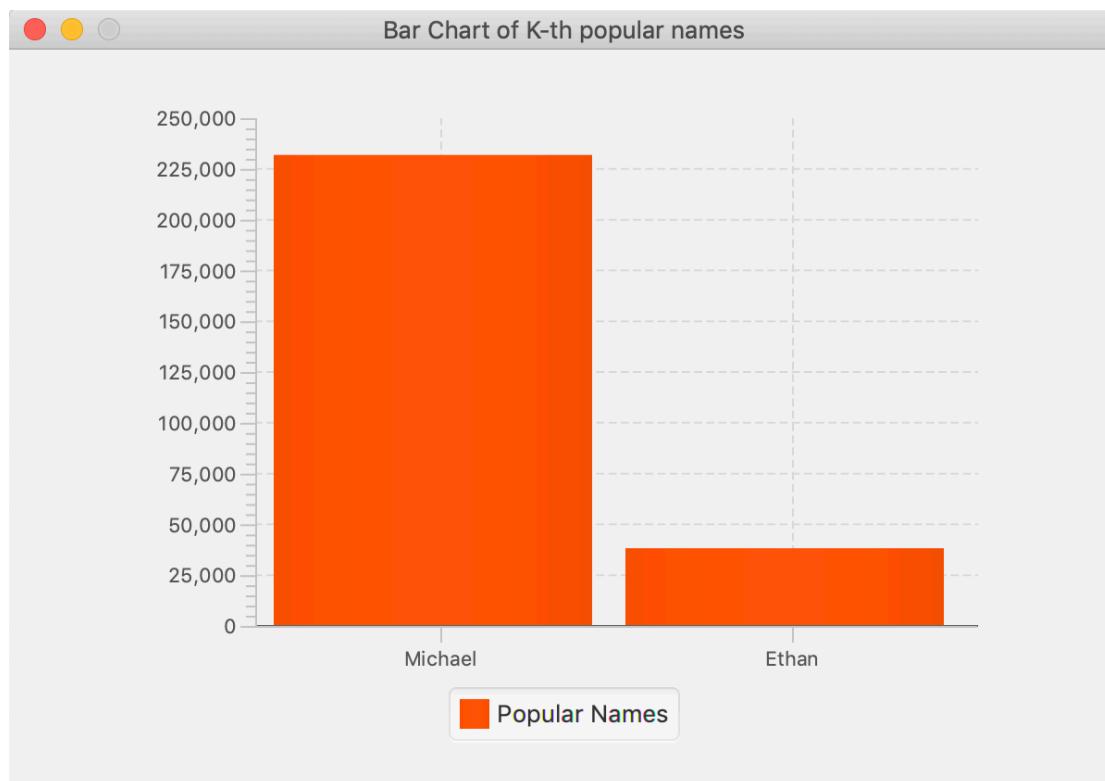
REPORT

Console

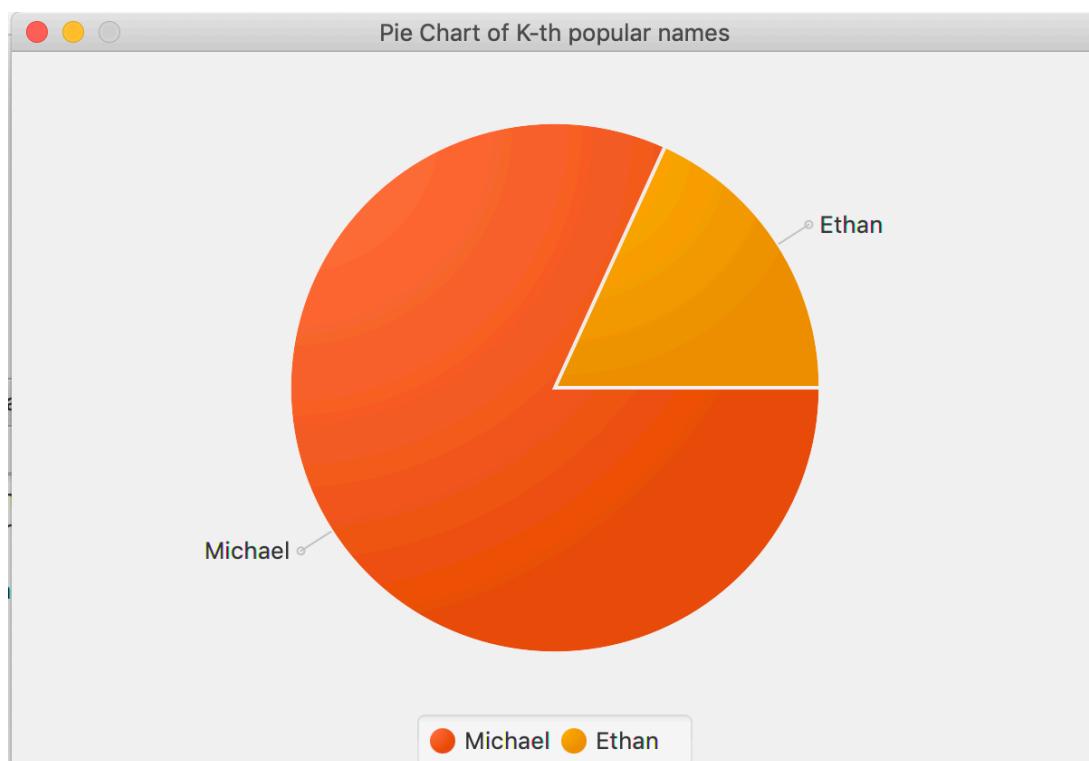
Michael has hold the 2nd rank most often for a total of 9 times,
among names registered for baby boys born in the period from 2000 to 2010.
The total number of occurrences of Michael is 231461,
which represents 85.96% of total male births at the 2nd rank in the period from 2000 to 2010.

Task 2 Data Table output:

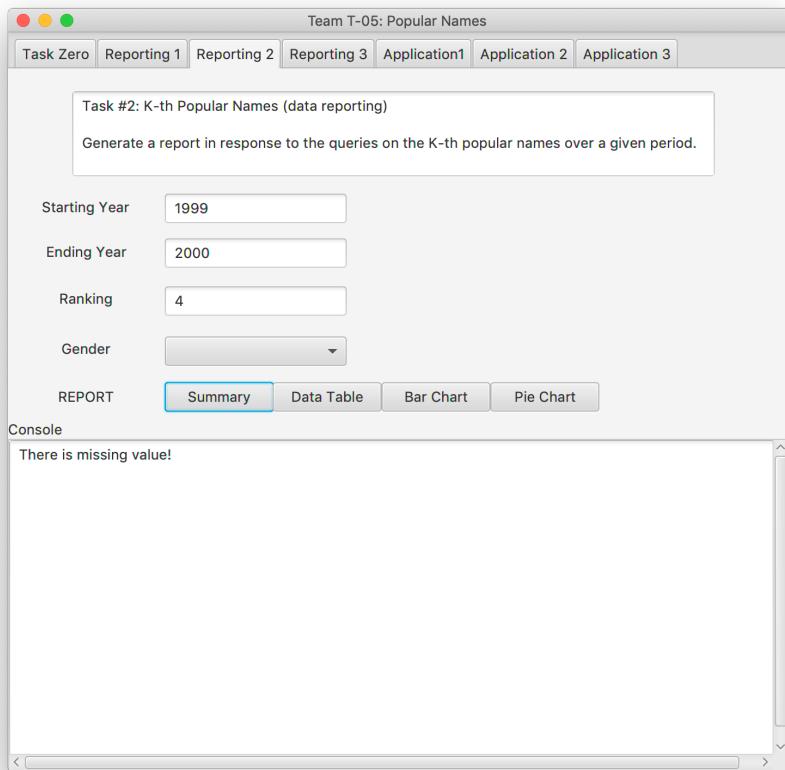
Task 2 Bar Chart output:



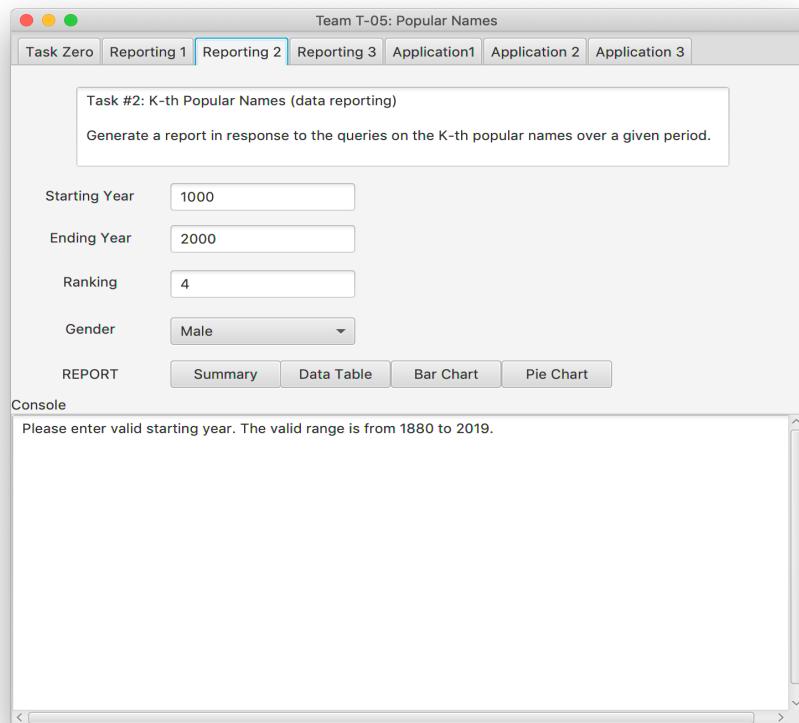
Task 2 Pie Chart output:



If there is empty field:



If input is invalid:



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Please enter valid popularity ranking. The valid range is from 1 to 1000.

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Generate a report in response to the queries on the K-th popular names over a given period.

Starting Year

Ending Year

Ranking

Gender

REPORT

Console

Please make sure starting year is earlier than or equal to ending year.

Task 5 X1 sample input & output:

Team T-05: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)

Develop and implement an online service using empirical data to help make informed decisions on predicting names for compatible pairs

Please input your information below for quick search:

Your year of born Gender of interest

Please input additional information below for advanced search:

Your name Your gender

Preference on age

Console

```
Name of your soulmate is Jacob.  
The most popular name of male in your year of born is Jacob with occurrence of 34465.  
The chance of meeting and becoming soulmate with a boy named Jacob is the highest.
```

Task 5 X2 sample input:

Team T-05: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)

Develop and implement an online service using empirical data to help make informed decisions on predicting names for compatible pairs

Please input your information below for quick search:

Your year of born Gender of interest Search

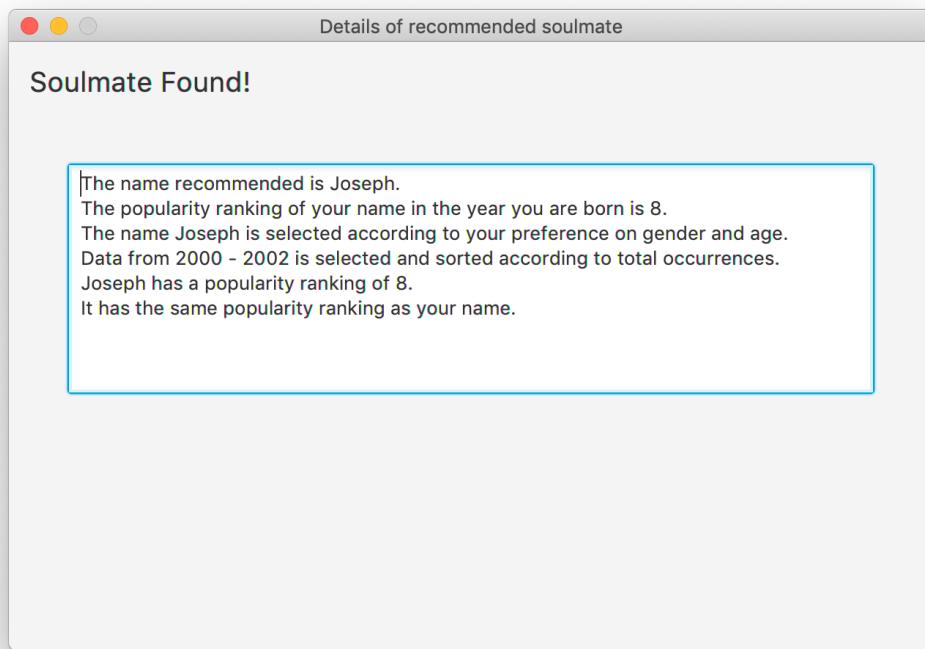
Please input additional information below for advanced search:

Your name Your gender Search

Preference on age

Console

Task 5 X2 sample output:



If there is empty field:

Team T-05: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)

Develop and implement an online service using empirical data to help make informed decisions on predicting names for compatible pairs

Please input your information below for quick search:

Your year of born Gender of interest

Please input additional information below for advanced search:

Your name Your gender

Preference on age

Console

There is missing value!

< >

If year of born not in range:

Team T-05: Popular Names

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Task #5: Prediction on Names for Compatible Pairs (application)

Develop and implement an online service using empirical data to help make informed decisions on predicting names for compatible pairs

Please input your information below for quick search:

Your year of born Gender of interest

Please input additional information below for advanced search:

Your name Your gender
Preference on age

Console

Please enter valid year of born. The range is 1880 - 2019.

If name not found:

