

## Execution of task 6

Tse Ching (SID:20598883)

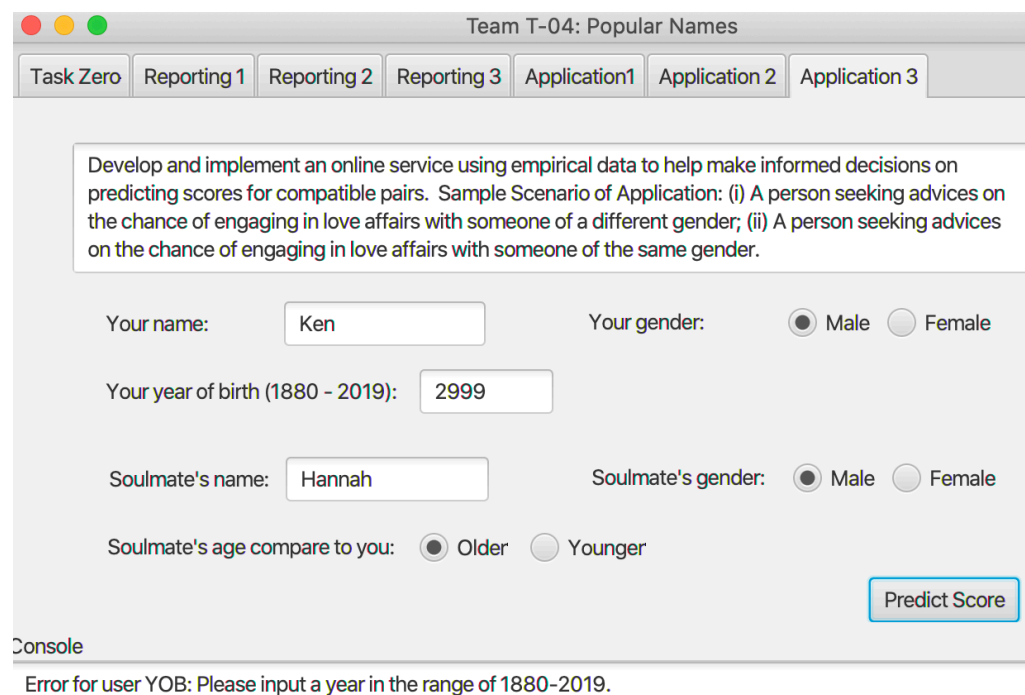
### Task Description

Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs. Sample Scenario of Application:

(i) A person seeking advices on the chance of engaging in love affairs with someone of a different gender; (ii) A person seeking advices on the chance of engaging in love affairs with someone of the same gender.

### 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,



Team T-04: Popular Names

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

Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs. Sample Scenario of Application: (i) A person seeking advices on the chance of engaging in love affairs with someone of a different gender; (ii) A person seeking advices on the chance of engaging in love affairs with someone of the same gender.

Your name: Ken Your gender: ☒ Male ☐ Female

Your year of birth (1880 - 2019): 2999

Soulmate's name: Hannah Soulmate's gender: ☒ Male ☐ Female

Soulmate's age compare to you: ☒ Older ☐ Younger

Predict Score

Console

Error for user YOB: Please input a year in the range of 1880-2019.

Fig 6.1 The output if user input a year out of range for the year of birth

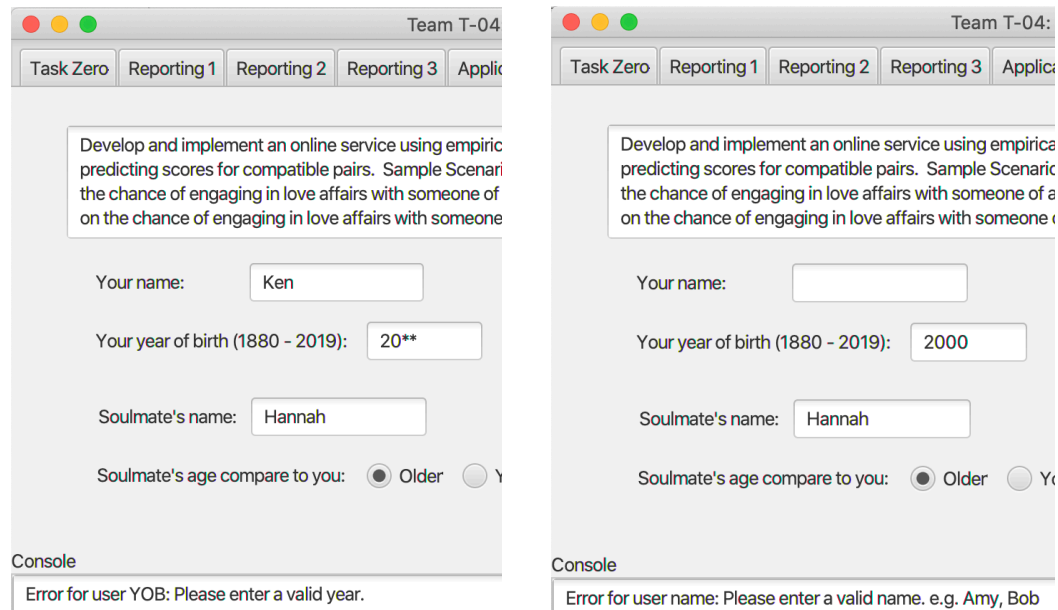


Fig 6.2(a)(b) The output if user input some invalid symbol/ null string

### 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 and string with all character (case insensitive) for name.

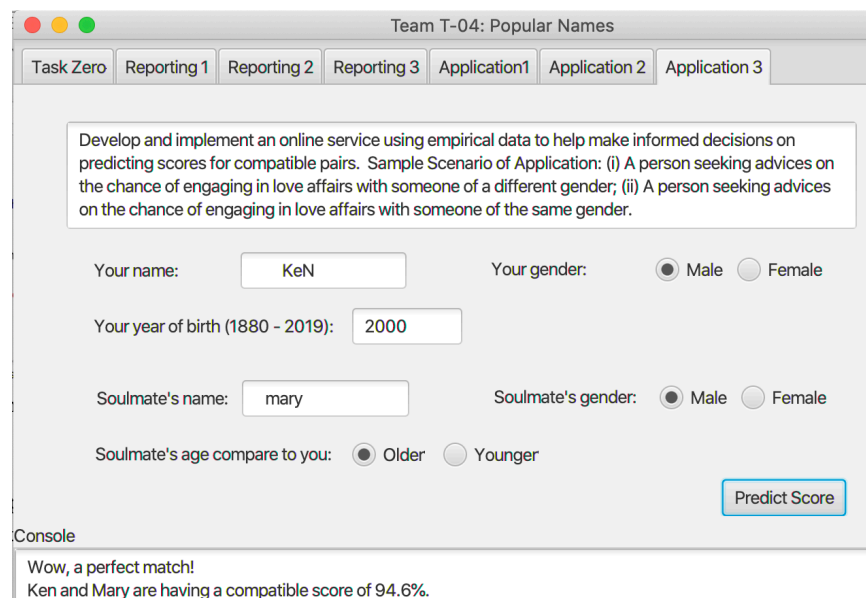


Fig 6.3 The output if user input “ KeN ” (include spaces and messy use of upper and lower case) for user name

## Valid Input

Different message would be showed for different level of compatible score.

The screenshot shows a web application window titled "Team T-04: Popular Names". It has a tabbed interface with tabs for "Task Zero", "Reporting 1", "Reporting 2", "Reporting 3", "Application1", "Application 2", and "Application 3". The "Application 2" tab is active. Inside the application area, there is a text box with instructions: "Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs. Sample Scenario of Application: (i) A person seeking advices on the chance of engaging in love affairs with someone of a different gender; (ii) A person seeking advices on the chance of engaging in love affairs with someone of the same gender." Below this, there are input fields for "Your name:" (Reid), "Your year of birth (1880 - 2019):" (1988), "Your gender:" (Male selected), "Soulmate's name:" (Jenny), "Soulmate's gender:" (Female selected), and "Soulmate's age compare to you:" (Younger selected). A "Predict Score" button is located at the bottom right. Below the application area is a "Console" section displaying the message: "Congratulations! Reid and Jenny are having a compatible score of 78.1%."

Fig 6.4 The output if the compatible score between 70% and 90%

The screenshot shows the same web application window as Fig 6.4, but with different input data. The "Your name:" field contains "Kate", "Your year of birth (1880 - 2019):" is "1988", "Your gender:" has "Female" selected, "Soulmate's name:" is "Harry", "Soulmate's gender:" has "Male" selected, and "Soulmate's age compare to you:" has "Older" selected. The "Predict Score" button is still present. The "Console" section now displays the message: "Wow, a perfect match! Kate and Harry are having a compatible score of 91.5%."

Fig 6.5 The output if the compatible score above 90%

## Boundary case

The screenshot shows a web application window titled "Team T-04: Popular Names". It has a tabbed interface with tabs for "Task Zero", "Reporting 1", "Reporting 2", "Reporting 3", "Application1", "Application 2", and "Application 3". The "Application 2" tab is active. Below the tabs is a text box with instructions: "Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs. Sample Scenario of Application: (i) A person seeking advices on the chance of engaging in love affairs with someone of a different gender; (ii) A person seeking advices on the chance of engaging in love affairs with someone of the same gender." Below this are input fields for "Your name:" (Garcia), "Your year of birth (1880 - 2019):" (2019), "Your gender:" (Female), "Soulmate's name:" (Denny), "Soulmate's gender:" (Male), and "Soulmate's age compare to you:" (Younger). A "Predict Score" button is on the right. Below the form is a "Console" area showing the output: "No Bad! Garcia and Denny are having a compatible score of 55.3%. Wish you with luck."

Fig 6.6 The output if soulmate's year of birth would be out of range

The screenshot shows the same web application window as Fig 6.6, but with different input values. The "Your name:" field contains "NameNotInSet", the "Soulmate's name:" field contains "NameNotInSetToo", and the "Soulmate's age compare to you:" field is set to "Older". The "Predict Score" button is still present. The "Console" area shows the output: "Wow, a perfect match! Namenotinset and Namenotinsettoo are having a compatible score of 100.0%."

Fig 6.7 The output if the names are not in the data set