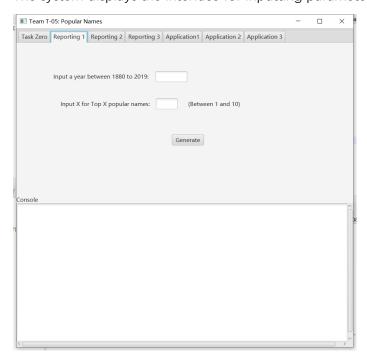
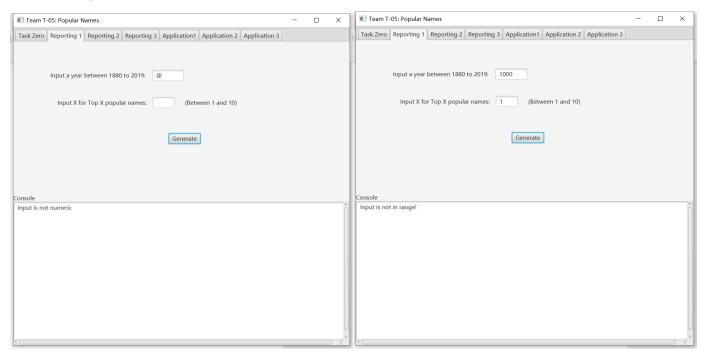
Task 1:
The system displays the interface for inputting parameters.



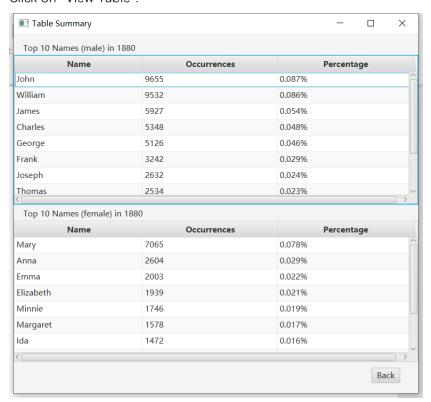
When user input is not correct:



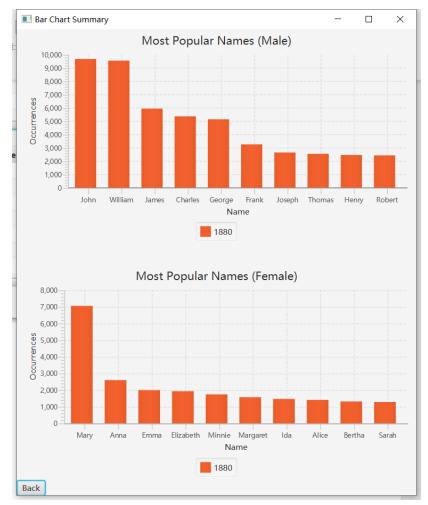
If input is correct (1880, 10):



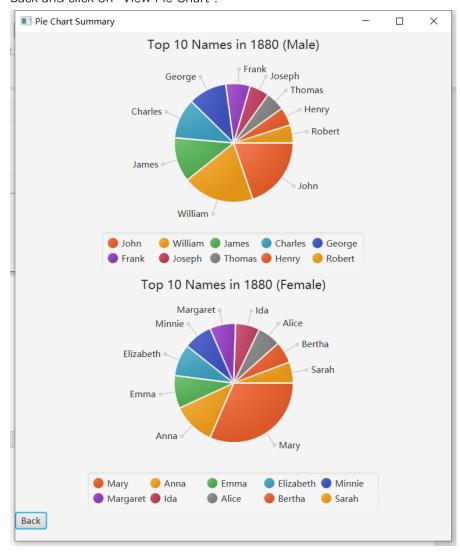
Click on "View Table":



Back and click on "View Bar Chart":



Back and click on "View Pie Chart":

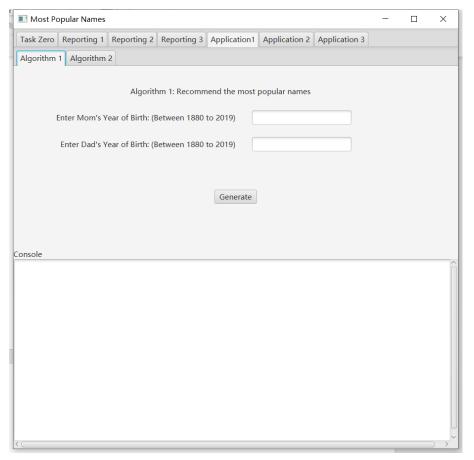


Click "Back" twice to go back to the main UI.

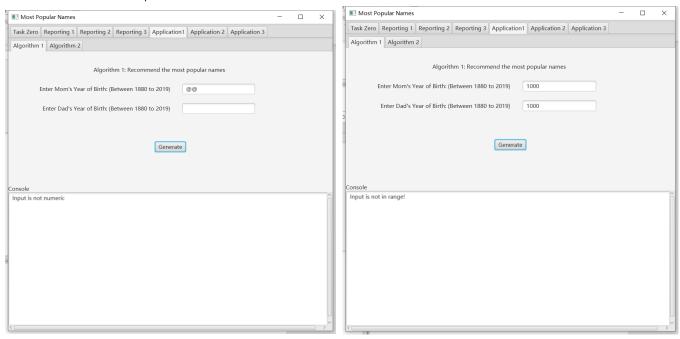
Task 4:

Algorithm 1:

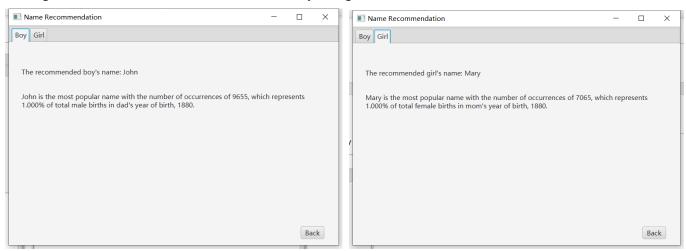
The system displays the interface for inputting parameters.



Two cases if the user input is incorrect:

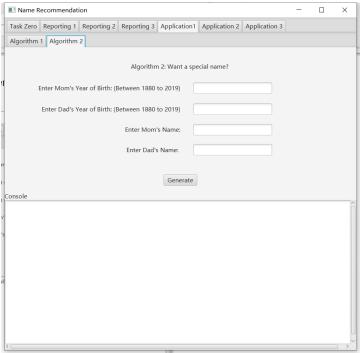


Click "generate" and results are shown for both boy and girl.

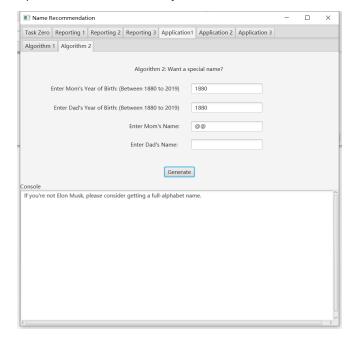


Algorithm 2:

The system displays the interface for inputting parameters.



Apart from the two validity checks same as above, we add a third test: the name fields should be pure letters.



Click on "generate", the results for boy and girl are displayed.

