Comp 3111 project

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Added features

- UI theme changed
- warning noise for error alert
- some sound effect
- progress bar and input lock

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TASK 1 showcase

Task 1 interface

- Four buttons larger size than the task zero.
- text field with labels remindind user to write valid input
- Put the button on the top, input right below it
- Make sure user knows what can be generated
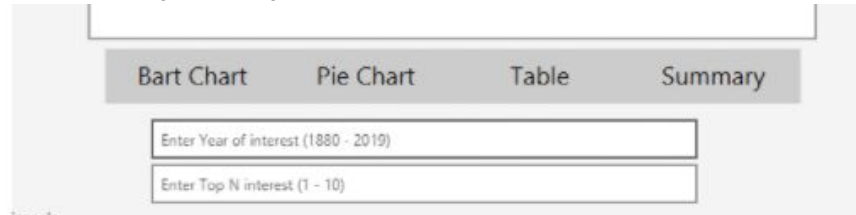
Task 1 Data Reporting

- Task 1 reports the Top N popular both males and females names in sepecific year.
- Top N input by user between 1 - 10 inclusive
- year input by user between 1880 - 2019 inclusive
- There are total 4 buttons generate result on bar chart, tables, pie chart , summary in console.

Task 1 Bart chart

- Sound effect, there is a whistler sound reminding user that Bart chart is generated.
- There are two required input first box needs to fill year of interest between 1880 - 2019
- Second one is the Top N requires 1 - 10,

| Bart Chart | Pie Chart | Table | Summary |

Enter Year of interest (1880 - 2019)

Enter Top N interest (1 - 10)

Task 1 Barchart Output

- input valid year, topN. for example : 1999, 5
- Male shown on the left orange
- Female shown on the right in yellow
- Y shows the total occurences
- X is the names]
- Sound effect out~ once press button
- Make users easier to see the result
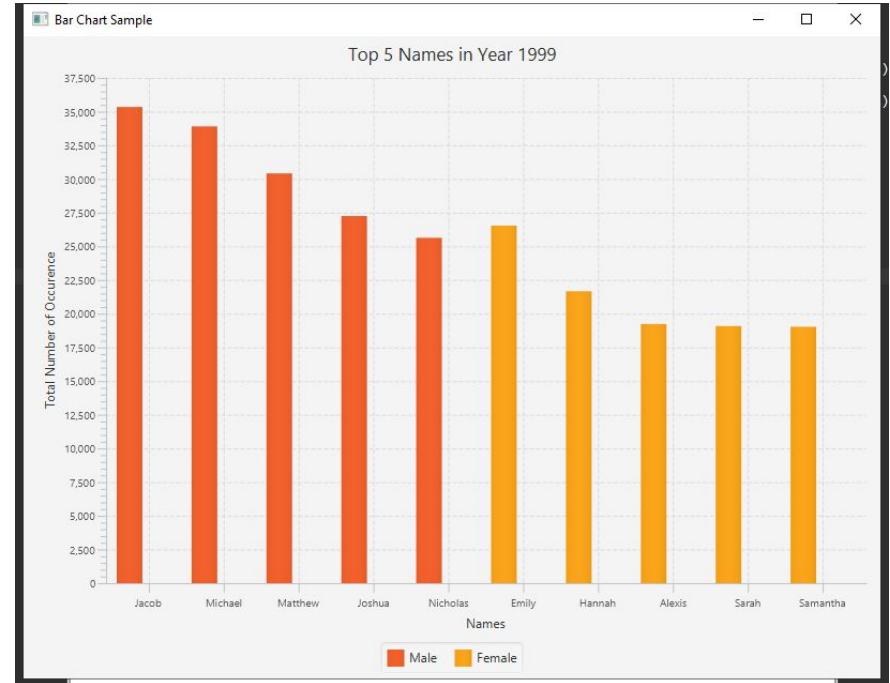
Task 1 Pie chart output

- input valid year, topN. for example : 1999, 5
- Female on the left
- Male on the right
- title with the year, Top N
- name shows different color
- Sound effect out~ once press button
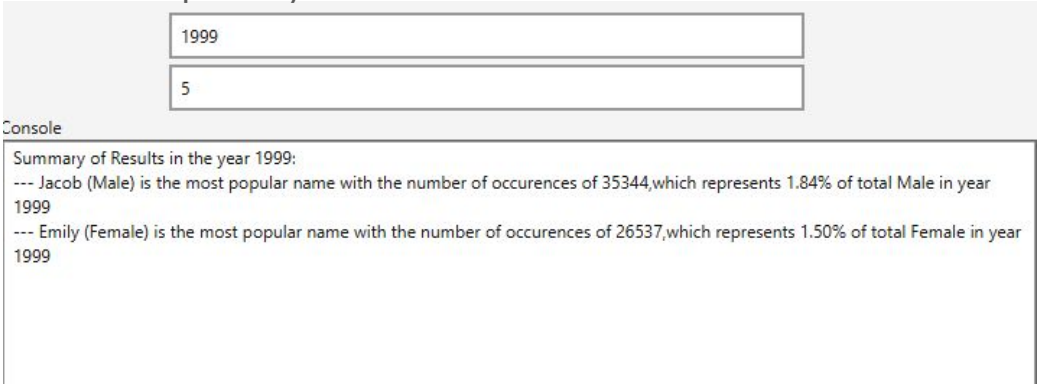- Make users easier to see the result

Task 1 table

- Male table on the left , Female tableson the right
- table shows the names, occurence, percentage
- sorted in decsending order
- you may manually adjust the order clicking the buttons header
- Sound will be given out when table generated.

Percentage ▼

Top 5 Names in 1999 — □ ✕

Male

Name	Occurrences	Percentage
Jacob	35344	1.8419759%
Michael	33905	1.7669816%
Matthew	30414	1.5850457%
Joshua	27251	1.4202039%
Nicholas	25635	1.335985%

Female

Name	Occurrences	Percentage
Emily	26537	1.4970394%
Hannah	21667	1.2223067%
Alexis	19232	1.0849403%
Sarah	19084	1.0765913%
Samantha	19033	1.0737141%

Task 1 summary

- input valid input , (year only)
- Clicking Summary button
- sound effect
- giving the most popular names that is on specific year
- Result shown on the console

1999

5

Console

Summary of Results in the year 1999:
--- Jacob (Male) is the most popular name with the number of occurences of 35344,which represents 1.84% of total Male in year 1999
--- Emily (Female) is the most popular name with the number of occurences of 26537,which represents 1.50% of total Female in year 1999

Task 1 Alert : invalid input

- for year and the input N we expect users enter valid input digital number within range
- Year 1880 - 2019
- N 1 - 10
- if enters non numerical value into the "year" field, following message will be given out.
- if enters non numerical value into the "N" field, all buttons except summary will give alert
- PS : summary do not need top N as input
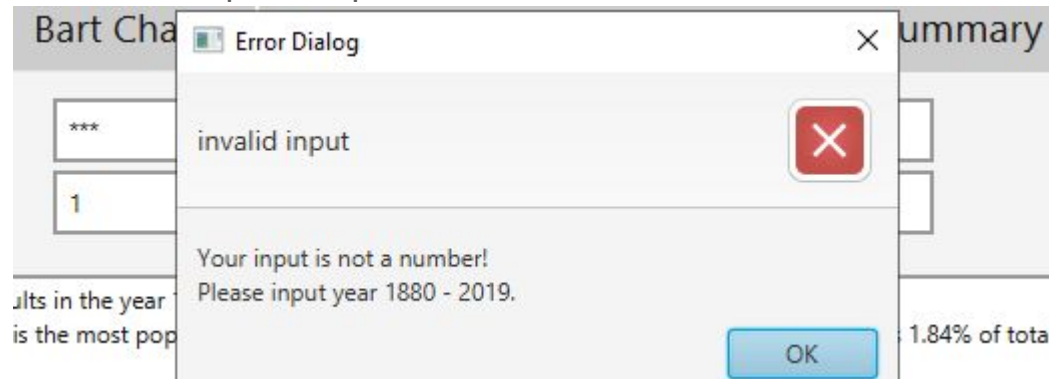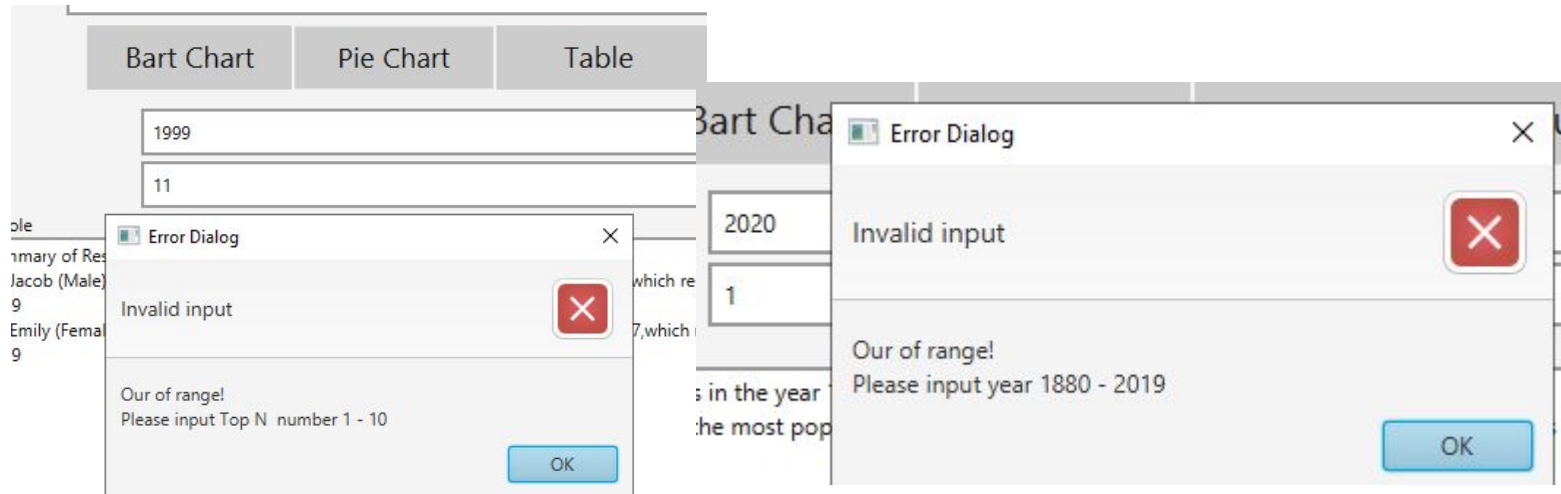
Task 1 Alert : invalid input 0 digit

- input number with first digit = 0 is not allowed eg. 01,02..
- following out put with alert IMAGE and SOUND will be given

Task 1 : Alert out of range

- Input N > 10, input N < 0. year > 2019, year < 1880.
- following out put with alert IMAGE and SOUND will be given

Task 1 : Alert empty input

TASK 2 showcase

TASK 3 showcase

Task 3 safelock

The button will lock if the input is invalid

This check for empty input

console will tell user the input is empty

Task 3 safelock

The button will lock if the input is invalid

This check for overflow

console will tell user the input is invalid

- if the number is over 4 digit
- if name is out of range(2-15)

this also checks if gender is M/F or not

Task 3 safelock

The button will lock if the input is invalid

This check for year range

console will tell user the input out of range

range(e.g.1880-2019)

Task 3 safelock

The button will lock if the input is invalid

This check for the period(start>end)

console will tell user the input is invalid

Task 3 unlock

once the input format is correct

the button will unlock

but name may not exist in the data

the button will still unlock

Task 3 data not found

After the buttons is unlocked

if the user clicked on any of the 4 buttons

this popup will be shown

if the name does not exist or not found

Team T-02: Popular Names

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

Input the following information to view on the popularity of a name over a period
Press the buttons below to see the data in the corresponding layout

Year of interest(start)   1980   Year of interest(end)   2001
Name of interest   asd   Gender   M

Bar chart   Line chart   Table   Summary

Console
input check done
click on the buttons to get report

Error Dialog

Data not found error

Ooops, the information you entered has no record in our database

OK

Task3 show bar chart

after all the input checking

by clicking the bar chart button

a popup will be shown

containing the bar chart with the data of interest
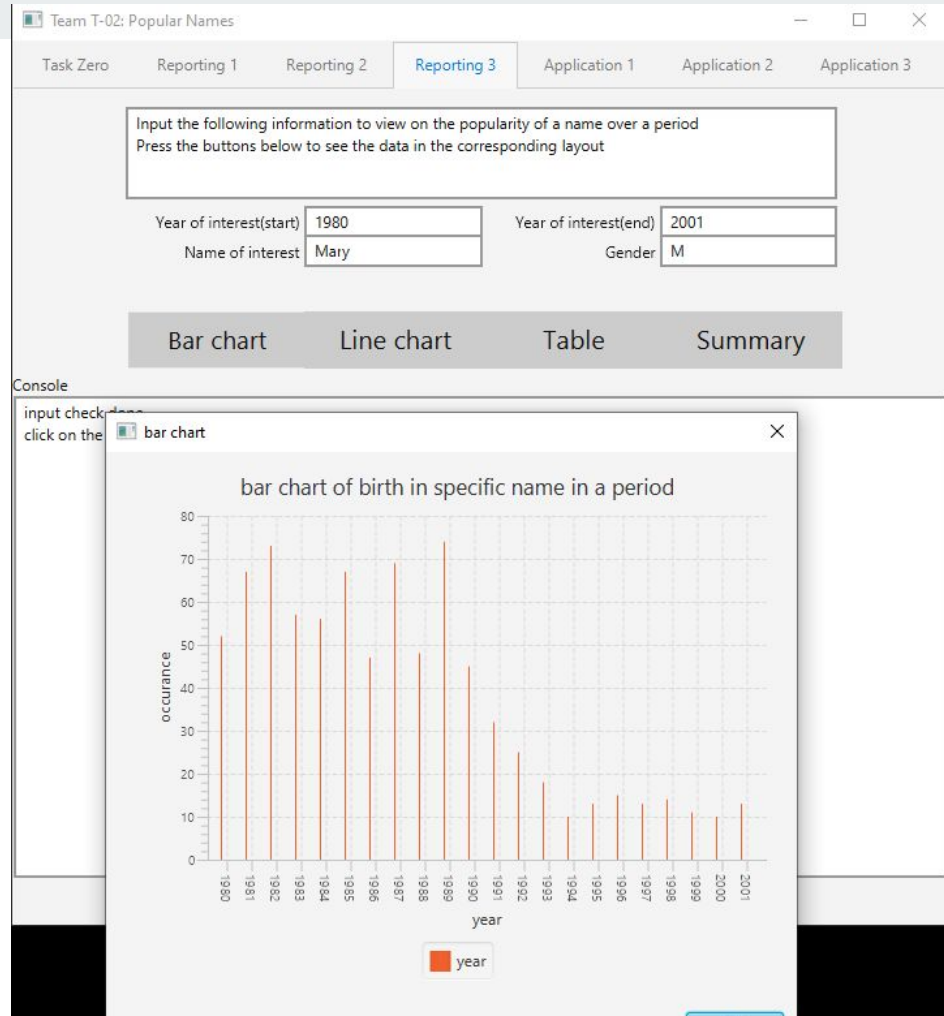
Task3 show line chart

after all the input checking

by clicking the linechart button

a popup will be shown

containing the line chart with the data of interest

Task3 show table

after all the input checking

by clicking the table button

a popup will be shown

containing the table with the data of interest

Team T-02: Popular Names

| Task Zero | Reporting 1 | Reporting 2 | Reporting 3 | Application 1 | Application 2 | Application 3 |

Input the following information to view on the popularity of a name over a period
Press the buttons below to see the data in the corresponding layout

Year of interest(start) 1980   Year of interest(end) 2001
Name of interest Mary   Gender M

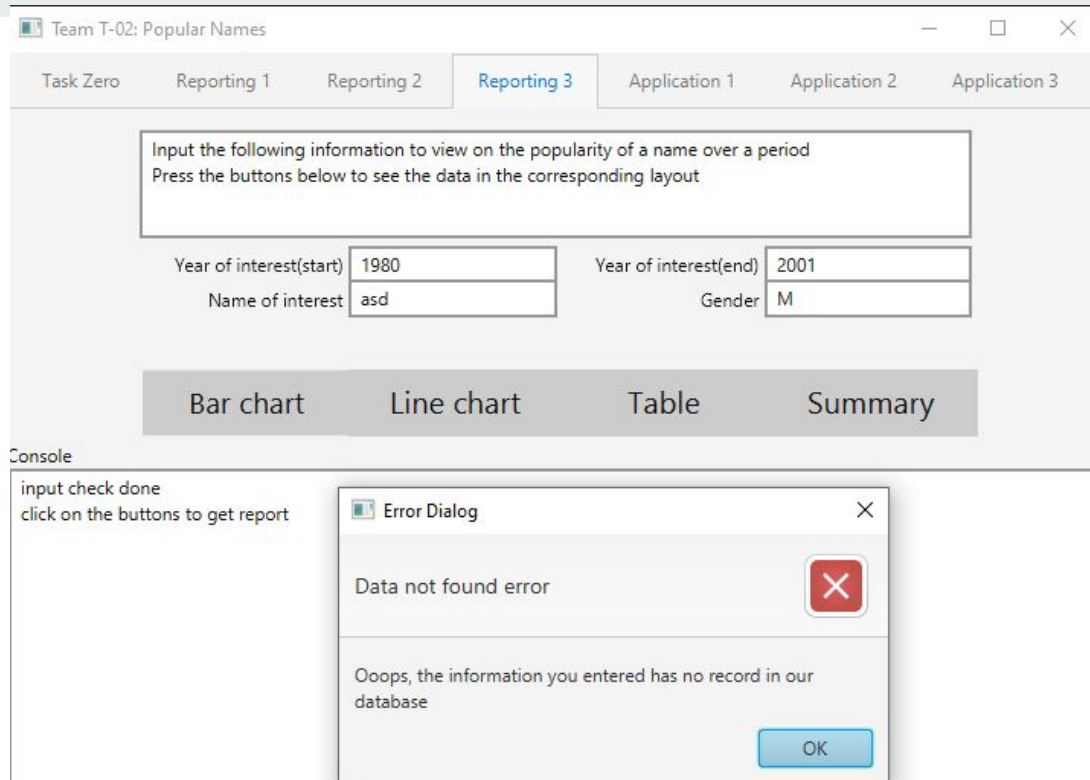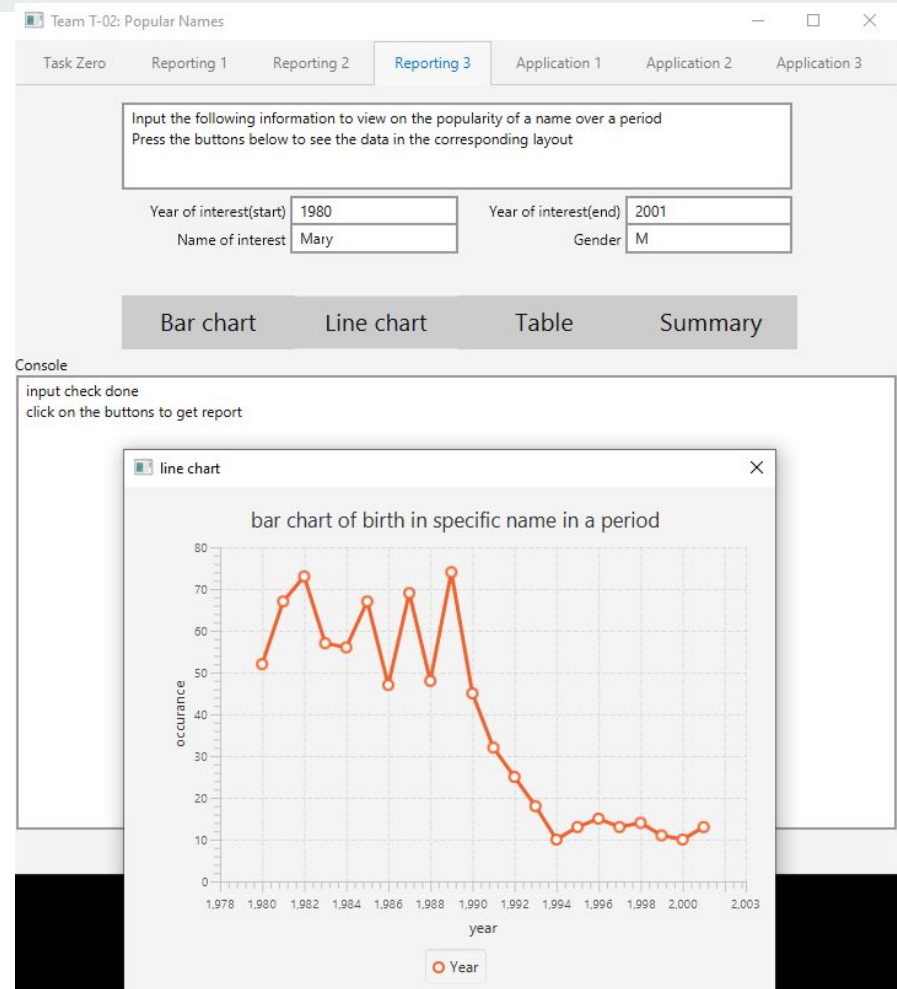| Bar chart | Line chart | Table | Summary |

Console
input check done
click on the buttons to get report

Table

Data table

Year	Rank	Occurrences	Percentage
1980	1304	52	0.0029150008%
1981	1118	67	0.003741121%
1982	1068	73	0.004024322%
1983	1211	57	0.0031812794%
1984	1231	56	0.0031045056%
1985	1142	67	0.0036274411%
1986	1467	47	0.00255412%
1987	1157	69	0.003698419%
1988	1540	48	0.00250967%
1989	1263	74	0.003700002%
1990	1770	45	0.0021924023%
1991	2273	32	0.0015845797%
1992	2790	25	0.0012522616%
1993	3591	18	9.181814E-4%
1994	5742	10	5.178243E-4%
1995	4700	13	6.831922E-4%

OK

Task3 show summary

after all the input checking

by clicking the summary button

a popup will be shown

containing the summary

TASK 4 showcase

Task 4 User interface

Team T-02: Popular Names

| Task Zero | Reporting 1 | Reporting 2 | Reporting 3 | Application 1 | Application 2 | Application 3 |

Task #4: Recommendation on Names for Newborn Babies (application)

Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

| Choose algorithm | Please input dad's info | Please input mom's info |

T4X1

T4X2

input name here

input year of birth(yyyy)

Input name here

input your year of birth(yyyy)

Progress

get result

onsole

Task 4 : Name recommendation

- T4X1 we need the input of mom year of born and dad year of born.
- T4X2 we need the input of both mom and dad's name, year.
- need to select the algorithm and input the corresponding data
- if there are empty input and the input are required, the button will be disabled.
- there are progress bar and progress shown on the console

Task 4 T4X1

- T4X1 selected
- progress 33%
- Console show
- "Please enter Mom year"
- "Please enter Dad year"

Task 4 T4X1

- T4X1 selected
- progress 66%
- Console show
- "Please enter Mom year"
- Since we enter dad info already

Task 4 T4X1

Done! Click result button! shown

- button get result is enable
- progress bar 100%
- message shown on console
- Iphone unlock sound display

Task 4 T4X1 OUTPUT

- invalid input of year(1880 - 2019)
- show windows of recommended name
- Male : most popular name on dad's year
- Female : most popular name on mom year
- SOUND effect display when it pop out
- icon of baby's face is shown
- click ok to exit ~

Task 4 T4X2 introduction

- Input we need to have "mom year of born", "dad year of born", "dad name", "mom name"
- We randomly extract the english character from dad name or mom name
- Total number extracted will be equal or less than min length of mom name and dad name
- We take average between mom year of born and dad year of born
- We take random seed as sum of mom's name length and dad's name length
- We go to the dataset of the year we calculated, get a list of name
- the total number of the name list is determined by the min length of parent's name
- So Top N of names will be extracted from the dataset, and calculate the score

Task T4X2 : Score calculation

-   Since we randomly extract the english characters of parent's name.
-   even if user enter name with lower case letter in first character, it automatically change
-   We put the english character into hash map
-   We extract the a list of name from the year of average of (MomYOB)(DadYOB)
-   We compare the extracted English character from parent in hashmap and name list.
-   once there are matched character between name list and hash, point ++;
-   Finally, we use point / length of child name, calculate the score
-   Once all of them are zero or the same, we will rank based on the popularity of the name

Task 4: T4X2 algorithm example

- we enter Paul and Cindy.
- 2019, 2018
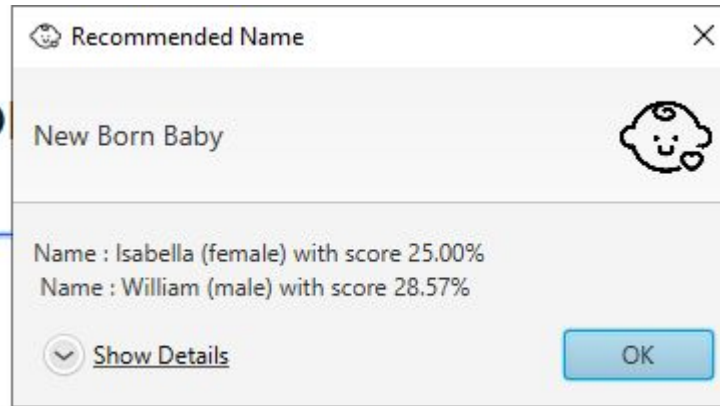- name list will be selected in (2019 +2018)/2 = 2018.5 = 2018

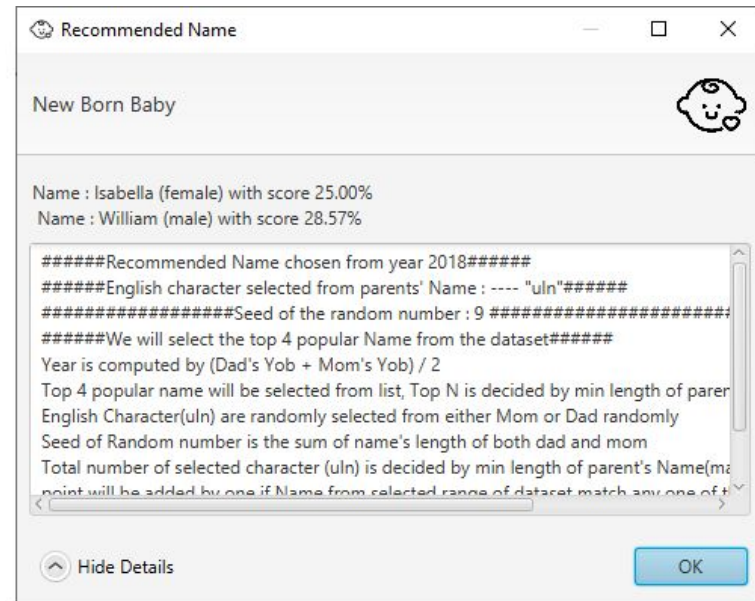| Choose algorithm	Please input dad's info	Please input mom's info
T4X1	Paul	Kelvin
T4X2	2019	2018
Progess	get result	

Task 4: T4X2 algorithm example

- We selected name Isabella (female)
- We selected name William (male)
- Sound effect displays
- icon shown
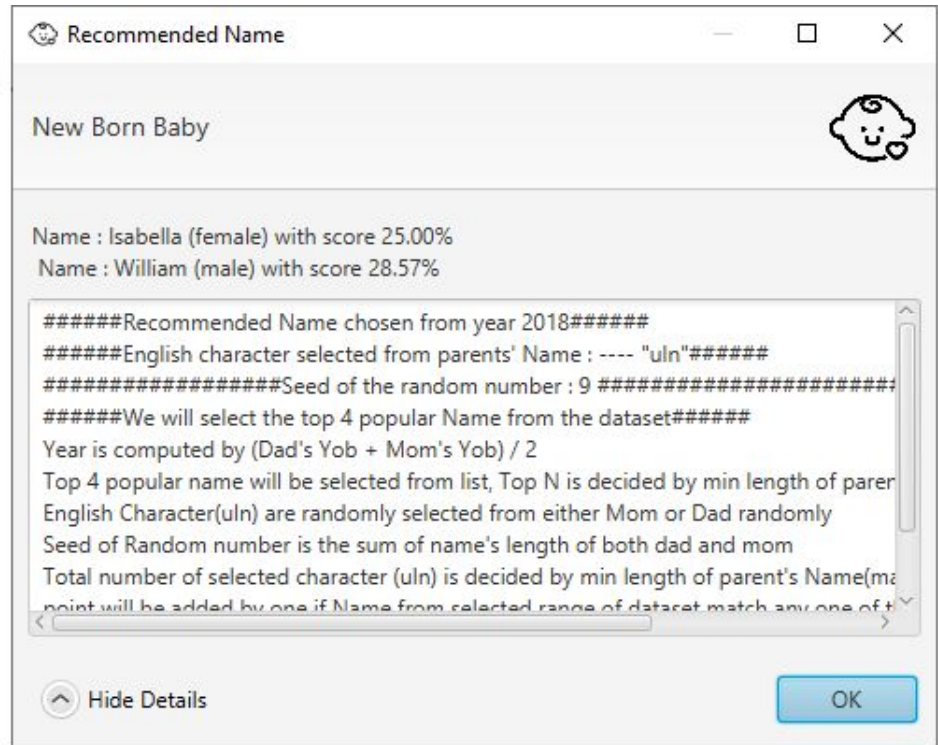- Show Details options ~ [explain]

Task 4 : T4X2 Show details

- expand the detains
- show the details of year and characters
- number of popular name shown
- Seed of Random number
- "uln" is extracted from parent's name
- 2018 is the year
- Top 4(min of parent's name Cindy =4)

Recommended Name

New Born Baby

Name : Isabella (female) with score 25.00%
Name : William (male) with score 28.57%

######Recommended Name chosen from year 2018######
######English character selected from parents' Name : ---- "uln"######
#################Seed of the random number : 9 ####################
######We will select the top 4 popular Name from the dataset######
Year is computed by (Dad's Yob + Mom's Yob) / 2
Top 4 popular name will be selected from list, Top N is decided by min length of parer
English Character(uln) are randomly selected from either Mom or Dad randomly
Seed of Random number is the sum of name's length of both dad and mom
Total number of selected character (uln) is decided by min length of parent's Name(ma
point will be added by one if Name from selected range of dataset match any one of t

Hide Details   OK

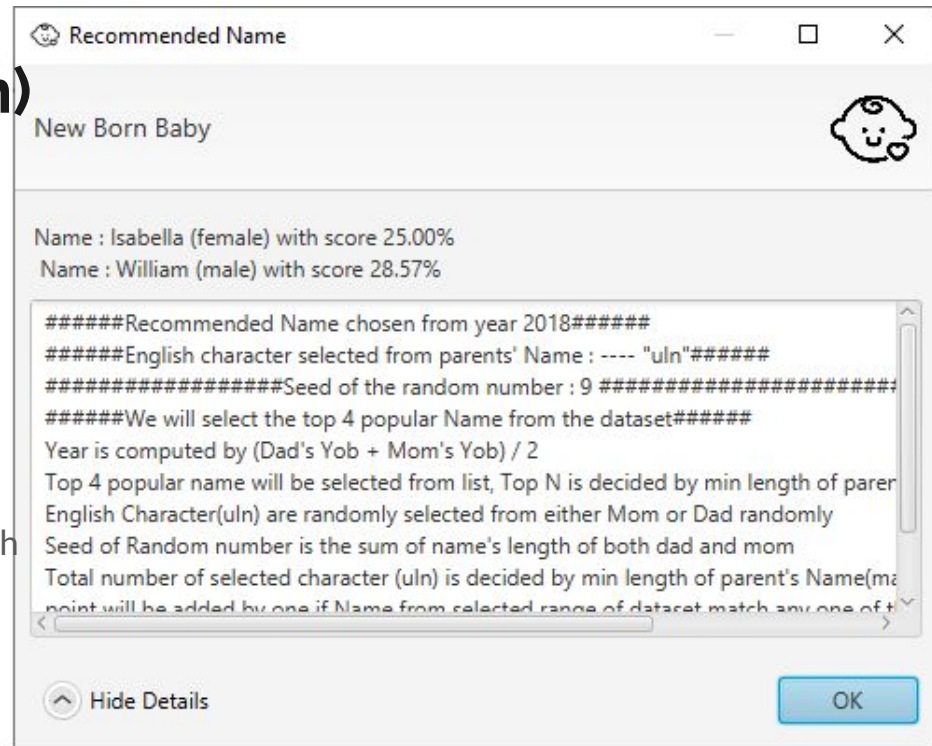# Task 4 T4x2 explain (Isabella)

- "u" from Paul
- "l" from Paul
- "n" from Cindy
- "isabella" length = 8
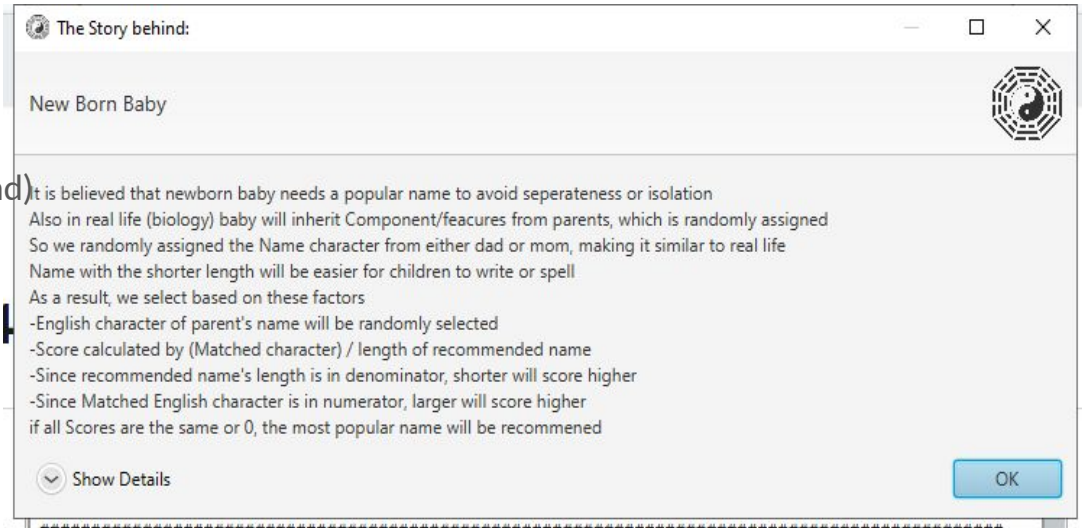- matched character = 2 (l)
- score =2/8 *100 = 25%

Recommended Name

New Born Baby

Name : Isabella (female) with score 25.00%
Name : William (male) with score 28.57%

######Recommended Name chosen from year 2018######
######English character selected from parents' Name : ---- "uln"######
##################Seed of the random number : 9 ####################
######We will select the top 4 popular Name from the dataset######
Year is computed by (Dad's Yob + Mom's Yob) / 2
Top 4 popular name will be selected from list, Top N is decided by min length of parer
English Character(uln) are randomly selected from either Mom or Dad randomly
Seed of Random number is the sum of name's length of both dad and mom
Total number of selected character (uln) is decided by min length of parent's Name(ma
point will be added by one if Name from selected range of dataset match any one of t

Hide Details   OK

Task 4 T4x2 explain (William)

- "u" from Paul
- "l" from Paul
- "n" from Cindy
- "isabella" length = 7
- matched character = 2 (l)
- score =2/7 *100 = 28.57%
- you can see same matching but shorter length
- get highter score

Recommended Name □ ✕

New Born Baby

Name : Isabella (female) with score 25.00%
Name : William (male) with score 28.57%

######Recommended Name chosen from year 2018######
######English character selected from parents' Name : ---- "uln"######
#################Seed of the random number : 9 ####################
######We will select the top 4 popular Name from the dataset######
Year is computed by (Dad's Yob + Mom's Yob) / 2
Top 4 popular name will be selected from list, Top N is decided by min length of paren
English Character(uln) are randomly selected from either Mom or Dad randomly
Seed of Random number is the sum of name's length of both dad and mom
Total number of selected character (uln) is decided by min length of parent's Name(ma
point will be added by one if Name from selected range of dataset match any one of t

∧ Hide Details   OK

Task 4 T4x2

- After clicking OK before
- we show the second pop
- there is a "gossip array""八卦" icon
- sound effect display (baby smile sound)
- Explaination will shown on this
- Click show details show a web page.

The Story behind:

New Born Baby

It is believed that newborn baby needs a popular name to avoid seperateness or isolation
Also in real life (biology) baby will inherit Component/feacures from parents, which is randomly assigned
So we randomly assigned the Name character from either dad or mom, making it similar to real life
Name with the shorter length will be easier for children to write or spell
As a result, we select based on these factors
-English character of parent's name will be randomly selected
-Score calculated by (Matched character) / length of recommended name
-Since recommended name's length is in denominator, shorter will score higher
-Since Matched English character is in numerator, larger will score higher
if all Scores are the same or 0, the most popular name will be recommened

Show Details

OK

Task 4 T4X2

- there are hyper link
- tables show a list of recommended name
- right hand side corner [TOP] clickable
- once click it it will go to top of website.
- [TOP] will push you to the top of website

Task 4 T4X2

- name
- gender
- occurence
- score
- rank decending
- Top clickable

Name	Gender	Occurence	Score
Isabella	Female	14517	25.000000%
Olivia	Female	17993	16.666668%
Emma	Female	18757	0.000000%
Ava	Female	14975	0.000000%
Sophia	Female	13972	0.000000%
William	Male	14590	28.571430%
Oliver	Male	13461	16.666668%
Liam	Male	19915	0.000000%
Noah	Male	18350	0.000000%
James	Male	13589	0.000000%

Top

Task 4 T4X2

- Links are clickable
- you can go to this web
- embedded in the windows
- reference explanation

WhY we recommended popular name??!

WhY we want SHORTER name??(video)

WhY we want Child name contain Parent name's Character??

Recommendation list

Task 4 T4X2

- Click the first hyper link
- Article embedded

As a result, we select based on these factors
- English character of parent's name will be randomly selected
- Score calculated by (Matched character) / length of recommended name
- Since recommended name's length is in denominator, shorter will score higher
- Since Matched English character is in numerator, larger will score higher
- If all Scores are the same or 0, the most popular name will be recommened

☰   ❚HUFFPOST❚   AdChoices ▷

Bria John, The Huffington Post Canada

03/29/2016 11:30am EDT | Updated March 30, 2016

What do you do when you want to name your child Olivia but it's the second most popular name in Canada for girls? You name your child Aliviyah instead. Or try Leeam, Liaam, Liahm or Liamm instead of Liam, the number one boys name. Anything unique to set your child apart. But a study suggests this trend could have a negative effect on kids.

Generally, baby name trends follow big cultural happenings. The

Task 4 T4X2

- hyperlink to video
- show reason why we select shorter name
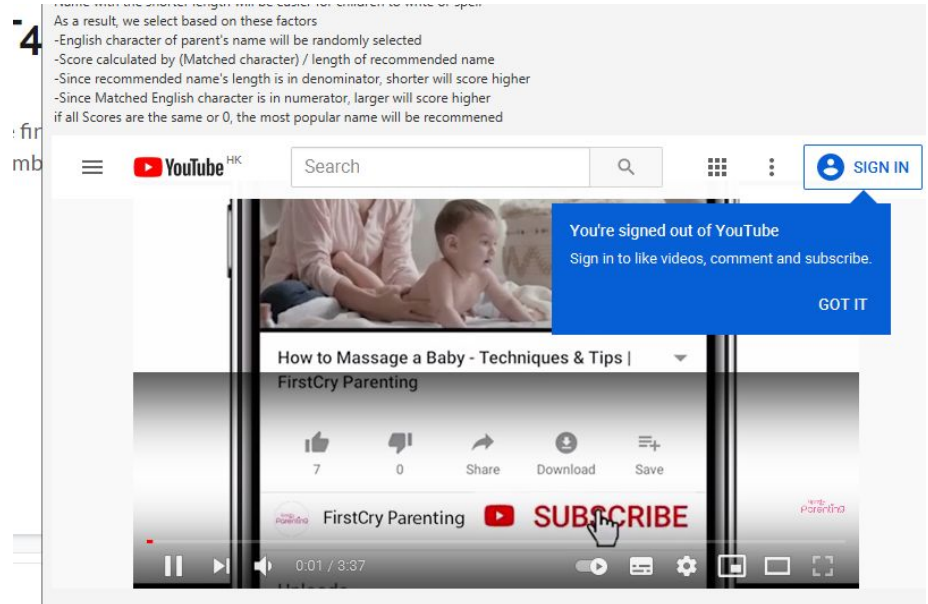
Task4 T4X2

So we randomly assigned the Name character from either dad or mom, making it similar to real life
Name with the shorter length will be easier for children to write or spell
As a result, we select based on these factors
-English character of parent's name will be randomly selected
-Score calculated by (Matched character) / length of recommended name
-Since recommended name's length is in denominator, shorter will score higher
-Since Matched English character is in numerator, larger will score higher
if all Scores are the same or 0, the most popular name will be recommened

And, even though it is often passed down among the men in the family, the women can start this tradition, too.

You may also wish to consider traditions that involve:

- Giving a tribute to deceased relatives
- Honoring your heritage and ancestry
- Maintaining a brand of initials (the same initials for everyone in the immediate family)

⌃ Hide Details   OK

Task 4 T4X2

- ranked name will shown on console

Task 4 T4X2

- What if the score zero or the same as the other score ????
- We give recommendation according to the popularity
- Performs like T4X1, but year is different. (MomYOB + DadYOB) /2

| T4X1 | p | p |
| T4X2 | 2019 | 2018 |

New Born Baby

Name : Emma (female) with score 0.00%
Name : Liam (male) with score 0.00%

Show Details   OK

Name	Gender	Occurence	Score
Emma	Female	18757	0.000000%
Liam	Male	19915	0.000000%

.

Task 4 T4X2 RULE EXPALIN

- it makes sense that if we input in random massive english character which is not name we will give score more likely to zero, and make recommendation according to year of born as information.
- Score = point / name length, so the recommended length shorter is an advantage
- point = matched hash map english character from parent's feature, match more higher
- Same score, will base on popularity to do ranking, make popular one an advantage
- Random selection of parent's name component using seed (mom name length +dad name length)
- always give the same result even it is random.
- Randomness is because baby features actually are quite random
- get name component because we want baby has inherit something from parent's name
- get average of the year is because we want gender equality, both parent has right decide name
- Shorter and popular , we want baby makes friend with other easily by easy name and not weird name

Task 4 invalid input

- we do not accept non numerical value in the year of born
- it shows error dialog with default sound effect with icon cross.
- Click ok to exit, means user has to read the message.
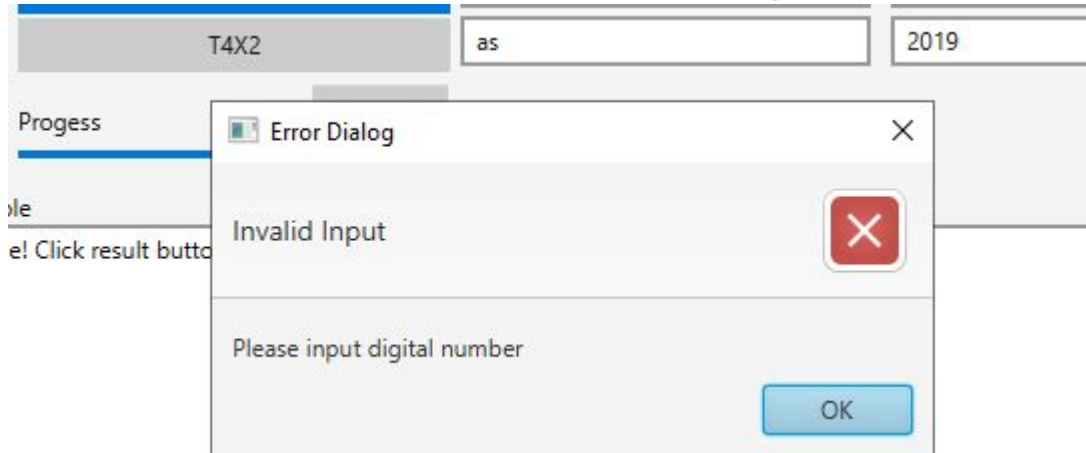
Task 4 name input

- no restriction length
- But it will take long time if you enter long name
- if you randomly input a long English string it is ok but it is recommended to enter name

Task4 T4X2 limitation

- Longer name more likely to get 100%
- but we will exclude child name same as the parent name
- long name takse more time
- the example show 700 character

Task 4 invalid input zero digit

Task 4 out of range

Task 4 overflow number prevention

- There are possible risk of error , if enter large number length

Task 4 invalid input Non English character(Name)

Task 4 Conclusion

- Parents always worry about naming of their child
- the system give the quality recommendation with clear explanation
- if you have any question feel free to email pwliuab@connect.ust.hk
- I will be happy to answer.

TASK 5 showcase

TASK 6 showcase

task6 safeguard Progress 0/7

The get result button will be locked if the input is empty

a progress bar and console output will hint the user what is the progress so far

Input checking in not done in this stage

task6 safeguard Progress 1/7

The get result button will be locked if the input is empty

a progress bar and console output will hint the user what is the progress so far

Input checking in not done in this stage

task6 safeguard Progress 2/7

The get result button will be locked if the input is empty

a progress bar and console output will hint the user what is the progress so far

Input checking in not done in this stage

task6 safeguard Progress 3/7

The get result button will be locked if the input is empty

a progress bar and console output will hint the user what is the progress so far

Input checking in not done in this stage

task6 safeguard
Progress 4/7

The get result button will be locked
if the input is empty

a progress bar and console output will hint
the user what is the progress so far

Input checking in not done in this stage

task6 safeguard Progress 5/7

The get result button will be locked if the input is empty

a progress bar and console output will hint the user what is the progress so far

Input checking in not done in this stage

task6 safeguard Progress 6/7

The get result button will be locked if the input is empty

a progress bar and console output will hint the user what is the progress so far

Input checking in not done in this stage

task6 safeguard Progress 7/7

Once all the data has been filled

The get result button will be unlocked

and the user can progress

task6 input validation

after the user clicked on the get result button

a alert will appear and signal the user to input valid digit

task6 input validation

after the user clicked on the get result button

a alert will appear and signal the user to input year within range

task6 input validation

if any of the name does not exist in the record or is not valid

a alert will appear and signal the user to change the name

task6 output T6X1

If the selected algorithm is T6X1

the result will show 100% if the name is in equal length; 0% otherwise

result will be shown on alert
with explanation append after that

task6 output T6X1

If the selected algorithm is T6X1

the result will show 100% if the name is in equal length; 0% otherwise

result will be shown on alert
with explanation append after that

task6 output T6X2

If the selected algorithm is T6X2

the score will be deducted if:
-length is not the same
-rarity is not the same

result will be shown on alert
with explanation append after that

task6 output T6X2

If the selected algorithm is T6X2

the score will be deducted if:
-length is not the same
-rarity is not the same

result will be shown on alert
with explanation append after that

task6 output T6X2

If the selected algorithm is T6X2

the score will be deducted if:
-length is not the same
-rarity is not the same

result will be shown on alert
with explanation append after that

COVERAGE REPORT

TESTCASE SUMMARY

JAVADOC

location : ./build/docs/javadoc/index.html
*private method not shown on javadoc will placed here

```java
312⊕    private Button Task1PieButton;// for task 1⬚
314⊕    private Button Task1TableButton;// for task 1⬚
316⊕    private Button Task1Summarybutton;// for task 1⬚
318⊕    private Button Task1BarButton;// for task 1⬚
319
320     // generate Summary
321⊖    /**
322      * This function generate a bar chart showing the most n popular name in a new
323      * scene it will return alert if input is invalid
324      *
325      * @throws IOException
326      */
329⊕    void Generate_BarChart() throws IOException {⬚
450
451⊖    /**
452      * This function generate a Pie chart showing the most n popular name in a new
453      * scene it will return alert if input is invalid
454      */
456⊕    void Generate_PieChart() {⬚
578
579
580⊖    /**
581      * This function generate a Table showing the most n popular name in a new scene
582      * it will return alert if input is invalid
583      */
585⊕    void Generate_Table() {⬚
759
760⊖    /**
761      * This function generate a summary showing the most n popular name on the
762      * console it will return alert if input is invalid
763      */
765⊕    void Generate_Summary() {⬚
839
841⊕     * the inner class for table to use in task1⬚
846⊕    public static class Person {⬚
912
```

Task1

Task2

```
935
936⊖     /**
937       * This function is to safeguard the input for task3 all the button in task 3 is
938       * lock until the data is input fits the format there will be text showing on
939       * the console showing user what has gone wrong / (e.g. end-year is smaller than
940       * start-year)
941       */
943⊕     void tsk3in() {⬚
1034
1035⊖     /**
1036      * This function will generate a bar chart showing the popularity of a name over
1037      * a period the result will be shown in a popup alert it will return alert if
1038      * input name is not found
1039      */
1041⊕     void tsk3brcht() {// generate and popup barchart⬚
1095
1096⊖     /**
1097      * This function will generate a line chart showing the popularity of a name
1098      * over a period the result will be shown in a popup alert it will return alert
1099      * if input is invalid
1100      */
1102⊕     void tsk3lncht() {⬚
1156
1157⊖     /**
1158      * This function will generate a summary showing the popularity of a name over a
1159      * period the result will be shown in a popup alert it will return alert if
1160      * input name is not found
1161      */
1163⊕     void tsk3summary() {⬚
1207
1209⊕      * this is a inner class to store the info for table to use⬚
1214⊕     public static class tsk3entry {⬚
1272
1273⊖     /**
1274      * This function will generate a table showing the popularity of a name over a
1275      * period the result will be shown in a popup alert it will return alert if
1276      * input name is not found
1277      */
1280⊕     void tsk3table() {⬚
1347
```

Task3

```
1374
1375      private boolean Play = true;
1376
1377⊖     /**
1378       * this function will generate the names for babies error alert will be raised
1379       * if the input is invalid
1380       *
1381       * if algorithm is T4X1 the name prediction will be shown on a information alarm
1382       *
1383       * if algorithm is T4X2 the name with the highest match rate will be shown on an
1384       * information alert an extra alert will popup showing the story behind with a
1385       * table and hyperlink and a webpage will be adhere to the story showing the
1386       * reference with a table / showing the rest of the prediction
1387       */
1389⊕     void task_four_getresult() {⬚
1797
1798⊖     /**
1799       *
1800       * This is the safeguard function for task 4 every action in the input for task4
1801       * will call this function the button to get result will be lock until the input
1802       * field is filled it will only check if the input has filled so even if the
1803       * data is invalid the button will unlock
1804       *
1805       * there is also a progress bar to indicate user the completeness the progress
1806       * status in text will also be shown on the console area allowing the user to
1807       * know what input is missing
1808       */
1810⊕     void tsk4check() {⬚
1888
```

Task4

```
1918
1919
1920⊖    /**
1921      * This is the function used to generate names for compatible pairs Some input
1922      * checking shall be done here
1923      *
1924      */
1926⊕    void task_five_getresult() {⬚
1929
1930
1931⊖    /**
1932      *
1933      * This is the safeguard function for task 5 every action in the input will call
1934      * this function
1935      */
1937⊕    void tsk5check() {⬚
1940     //
1941
```

Task5

```
1985
1987⊕    private ToggleButton T6X1;▯

1988

1990⊕    private ToggleButton T6X2;▯

1991

1992⊖    /**
1993      * This function will calculate and show the score of capability of pairs it
1994      * will start off by doing a input validation and the function will return if
1995      * input is invalid and an alert will prompt the user the input has error
1996      *
1997      * If the data is valid, the score will be calculated and show on an
1998      * alert(type:information) If the algorithm is T6X2, the explanation will adhere
1999      * to the bottom to the alert
2000      *
2001      */
2003⊕    void task_six_getresult() {▯
2127 |

2128⊖    /**
2129      * This is the safeguard function for task 6 every action in the input for task6
2130      * will call this function the button to get result will be lock until the input
2131      * field is filled it will only check if the input has filled so even if the
2132      * data is invalid the button will unlock
2133      *
2134      * there is also a progress bar to indicate user the completeness the progress
2135      * status will also be shown on the console area
2136      */
2138⊕    void tsk6check() {▯

2187

2188 }
2189
```

Task6

EXTRA:COMMIT LOG

Commit log

Merge pull request #24 from kalung2002/paul_feature1 ...
pwliuab committed 2 days ago   Verified

add bagua picture and make story for the algorithm
pwliuab committed 2 days ago

Merge pull request #23 from kalung2002/paul_feature1 ...
pwliuab committed 2 days ago   Verified

Task1test,adding sleep(100) prevent error
pwliuab committed 2 days ago

add the algorithm 2~T4x2
pwliuab committed 2 days ago

Commit Log

⑂ master ▾

◦─ Commits on May 2, 2021

Update README.md ⋯   Verified   📋   89ed9d9   <>
🧑 pwliuab committed 6 hours ago

Merge pull request #30 from kalung2002/klluiaf_feature_dev ⋯   Verified   📋   2e6e9fa   <>
🐱 kalung2002 committed 17 hours ago

fix typo   📋   ffab8e3   <>
🐱 kalung2002 committed 17 hours ago

write all javadocs for existed method even if it is private   📋   d2e92bb   <>
🐱 kalung2002 committed 17 hours ago

fixed some textboxes   📋   29dab88   <>
🐱 kalung2002 committed 17 hours ago

Merge pull request #29 from kalung2002/klluiaf_feature_dev ⋯   Verified   📋   de4f277   <>
🐱 kalung2002 committed 21 hours ago

write javadoc for analyzernames   📋   2f99baa   <>
🐱 kalung2002 committed 21 hours ago

◦─ Commits on May 1, 2021