

Screenshot of execution of the application (Data-Reporting Task) (Task2)

The screenshot shows the application window titled "Team T-25: Popular Names" with tabs for Task 0, Task 1, Task 2, Reporting 3, Task 4, Task 5, and Application 3. The "Reporting 3" tab is active, displaying input fields for "Year of Interest(starting year)" (1899), "Year of Interest(ending year)" (2000), "K-th popular names" (6), and "Gender" (Male). Below these fields are buttons for "Summary", "Table", "Bar Chart", and "Pie Chart". A "Console" window is visible at the bottom. An external window titled "K-thPopular Names" displays a table of popular names and their frequencies.

No	Name	Frequency	Occurrences	Percentage
1	Charles	15	372233	11.0%
2	William	14	730159	22.0%
3	George	14	329786	10.0%
4	David	10	418985	13.0%
5	Joseph	7	28792	1.0%
6	Mark	6	321591	10.0%
7	Nicholas	5	135410	4.0%
8	Robert	5	88785	3.0%
9	John	4	145051	4.0%
10	Daniel	4	138960	4.0%
11	Christopher	3	115645	3.0%
12	Matthew	3	107825	3.0%
13	Brandon	3	87839	3.0%
14	Richard	3	85125	3.0%
15	James	2	75203	2.0%

Total Frequency: 102
Total Occurrences: 3339615
Percentage: 100%

Screenshot of execution of the application (Evidence-Based Recommendation Task) (Task4)

The screenshot shows the application window titled "Team T-25: Popular Names" with tabs for Task 0, Task 1, Task 2, Reporting 3, Task 4, Task 5, and Application 3. The "Task 4" tab is active, displaying the "Task4: Name recommendation for newborn babies" interface. It includes input fields for "Baby's dad Name" (John), "Baby's mom Name" (Mary), "Year of baby's dad birthday" (1977), and "Year of baby's mom birthday" (1899). Below these fields are buttons for "T4X1" and "T4X2". A "Console" window at the bottom displays the results of the recommendation.

Robert is the 6-th popular male name in the year 1977.
Helen is the 2-th popular female name in the year 1899.

Unit testing (missing task3 and task6 unit test case at 3/5 22:42)

Test Summary

23	0	0	9.491s	100%
tests	failures	ignored	duration	successful

PackagesClasses

Class	Tests	Failures	Ignored	Duration	Success rate
comp3111.popnames.AnalyzeNamesTest	5	0	0	0.214s	100%
comp3111.popnames.JavaFXTest	3	0	0	5.204s	100%
comp3111.popnames.Task1_unitTest	4	0	0	1.080s	100%
comp3111.popnames.Task2Test	5	0	0	1.187s	100%
comp3111.popnames.Task4_unitTest	2	0	0	0.603s	100%
comp3111.popnames.Task5Test	4	0	0	1.203s	100%

Coverage Test

comp3111.popnames

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
Controller	<div><div></div></div>	18%	<div><div></div></div>	3%	51	55	256	289	20	24	0	1
PopupWindow	<div><div></div></div>	0%	<div><div></div></div>	0%	9	10	105	107	5	6	0	1
Task1_AnalyzeNames	<div><div></div></div>	40%	<div><div></div></div>	55%	19	30	100	153	7	12	0	1
Task3Name	<div><div></div></div>	0%	<div><div></div></div>	0%	23	23	62	62	8	8	1	1
Task5_PredictionPairsName	<div><div></div></div>	52%	<div><div></div></div>	45%	25	38	46	99	1	5	0	1
AnalyzeNames	<div><div></div></div>	42%	<div><div></div></div>	70%	5	15	26	56	1	5	0	1
Task2_KthPopularNames	<div><div></div></div>	82%	<div><div></div></div>	68%	17	38	18	100	1	8	0	1
Task2Name	<div><div></div></div>	0%	<div><div></div></div>	n/a	12	12	29	29	12	12	1	1
Task4_nameRecommendation	<div><div></div></div>	84%	<div><div></div></div>	20%	13	15	9	45	3	5	0	1
Task5Name	<div><div></div></div>	0%	<div><div></div></div>	n/a	6	6	14	14	6	6	1	1
MyApplication	<div><div></div></div>	0%	<div><div></div></div>	n/a	3	3	11	11	3	3	1	1
Task6Name	<div><div></div></div>	0%	<div><div></div></div>	n/a	4	4	5	5	4	4	1	1
Total	3,138 of 4,787	34%	191 of 302	36%	187	249	681	970	71	98	5	12