**GEDCOM Report Sprint4**

1. Input file:

Note: for now, our program is using multiple input file, so it is able to test all the user stories.

For the user stories 1, 2, 3, 5, 6, 7, 8, 9,10, the test file is “TestGEDCOM.ged”.

For the user stories 4, the test file is “testOne.ged”. This file is also able to test the user stories 1, 3, 5, 6, 7, 8.

For the user stories 11, 12, 13, 14, 16, the test file is “testOne.ged”, this test file is also able to test the user stories 1, 3, 4, 5, 6, 7, 8.

For the suer stories 15, the test file is “testUS15.ged”.

For the user stories 17, the test file is “UserStory17.ged this test file is also able to test the user stories 2, 11, 10.

For the user stories 18, 20, the test file is “US18.ged”, this test file is also able to test the user stories 1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 19, 20.

For the test file “testTwo.ged” It is able to test the user stories 1, 3, 4, 5, 6, 7, 8, 9, 11, 12, 19, 20, 21.

For the user story 22, the test file is “test22.ged”.

For the user story 23, the test file is “test23True.ged”.

For the user story 24, the test file is “US24.ged”.

For the user story 25, the test file is “US25.ged”.

For the user story 26, the test file is “US26.ged”.

For the user story 27, the test file is “US27.ged”.

For the user story 28, the test file is “US28.ged”.

For the user story 29, 30, the test file is “US19.ged”.

For the user story 31, the test file is “US31.ged”.

For the user story 32, the test file is “US32.ged”.

For the user story 33, the test file is “US33.ged”.

For the user story 34, the test file is “US34.ged”.

For the user story 35, the test file is “us35bornWithin30Day.ged”.

For the user story 36 the test file is “DiedLast30Days.ged”.

For the user story 37 the test file is “ListSurvive.ged”.

For the user story 38, 39 the test file is “ControlGroup.ged”.

For the user story 42, the test file is “US42.ged”.

All the test sources are stored in resources folder.

1. Output

The output of our program looks like below. If something wrong with the users input file, that error will be list below the family information. We separate the family information list and error list, all the error lists will be store in the “output.txt” file for the convenience.

/Library/Java/JavaVirtualMachines/jdk-12.0.2.jdk/Contents/Home/bin/java "-javaagent:/Applications/IntelliJ IDEA.app/Contents/lib/idea\_rt.jar=58854:/Applications/IntelliJ IDEA.app/Contents/bin" -Dfile.encoding=UTF-8 -classpath /Users/michaelwen/Documents/555/homework/CS-SSW-555-Group-Project/out/production/main main

Individuals:

+---------------------------------------------------------------------------------------------------------------------+

| ID | Name | Gender | Birthday | Age | Alive | Death | Child | Spouse |

+---------------------------------------------------------------------------------------------------------------------+

| I1 | Pablo /Alboran/ | M | 1989-03-31 | 30 | true | NA | F2, | F1, |

+---------------------------------------------------------------------------------------------------------------------+

| I11 | Liz /Elisabeth/ | F | 1990-07-08 | 29 | false | 2008-02-06 | | F5, |

+---------------------------------------------------------------------------------------------------------------------+

| I2 | Sarah /Peter/ | F | 1989-08-28 | 30 | false | 1989-07-03 | F3, | F1, |

+---------------------------------------------------------------------------------------------------------------------+

| I10 | Ricky /Alboran/ | M | 1988-01-20 | 31 | true | NA | F2, | |

+---------------------------------------------------------------------------------------------------------------------+

| I3 | Sam /Alboran/ | M | 2018-01-01 | 1 | true | NA | F1, | |

+---------------------------------------------------------------------------------------------------------------------+

| I13 | Berta /Elisabeth/ | F | 1991-06-06 | 28 | true | NA | | F4, |

+---------------------------------------------------------------------------------------------------------------------+

| I4 | Sam /Peter/ | M | 1963-08-13 | 56 | true | NA | | F3, |

+---------------------------------------------------------------------------------------------------------------------+

| I12 | Dick /Peter/ | M | 2007-07-10 | 12 | true | NA | F5, | |

+---------------------------------------------------------------------------------------------------------------------+

| I5 | Juila /Peter/ | F | 1860-06-15 | 159 | false | 2019-10-01 | | F3, |

+---------------------------------------------------------------------------------------------------------------------+

| I15 | Wrongbd /Peter/ | F | 2022-07-06 | -3 | false | 2019-10-01 | F4, | F6, |

+---------------------------------------------------------------------------------------------------------------------+

| I6 | Jake /Peter/ | M | 1987-06-11 | 32 | false | 2009-06-10 | F3, | F4,F5, |

+---------------------------------------------------------------------------------------------------------------------+

| I14 | Joe /Peter/ | M | 2012-06-11 | 7 | false | 2011-04-02 | F4, | F6, |

+---------------------------------------------------------------------------------------------------------------------+

| I7 | Jim /Peter/ | M | 1986-03-03 | 33 | true | NA | F3, | |

+---------------------------------------------------------------------------------------------------------------------+

| I17 | Sam /Alboran/ | F | 2018-01-01 | 1 | true | NA | F1, | |

+---------------------------------------------------------------------------------------------------------------------+

| I8 | Dean /Alboran/ | M | 1960-08-13 | 59 | true | NA | | F2, |

+---------------------------------------------------------------------------------------------------------------------+

| I16 | Testnomomnogender /Peter/ | | 2008-05-07 | 11 | true | NA | F4, | |

+---------------------------------------------------------------------------------------------------------------------+

| I9 | Sam /Sarah/ | F | 1961-04-11 | 58 | true | NA | | F2, |

+---------------------------------------------------------------------------------------------------------------------+

Family:

+--------------------------------------------------------------------------------------------------------------------------+

| ID | Married | Divorced | Husband ID | Husband Name | Wife ID | Wife Name | Children |

+--------------------------------------------------------------------------------------------------------------------------+

| F6 | NA | NA | I14 | Joe /Peter/ | I15 | Wrongbd /Peter/ | |

+--------------------------------------------------------------------------------------------------------------------------+

| F1 | 1988-07-13 | 1990-04-03 | I1 | Pablo /Alboran/ | I2 | Sarah /Peter/ | I3,I17, |

+--------------------------------------------------------------------------------------------------------------------------+

| F2 | 1980-05-04 | NA | I8 | Dean /Alboran/ | I9 | Sam /Sarah/ | I1,I10, |

+--------------------------------------------------------------------------------------------------------------------------+

| F3 | 1984-04-04 | NA | I4 | Sam /Peter/ | I5 | Juila /Peter/ | I2,I6,I7, |

+--------------------------------------------------------------------------------------------------------------------------+

| F4 | 2010-05-04 | NA | I6 | Jake /Peter/ | I13 | Berta /Elisabeth/ | I15,I14,I16, |

+--------------------------------------------------------------------------------------------------------------------------+

| F5 | 2006-06-11 | 2009-05-02 | I6 | Jake /Peter/ | I11 | Liz /Elisabeth/ | I12, |

+--------------------------------------------------------------------------------------------------------------------------+

ERROR: INDIVIDUAL: US01: I15: Birthday 2022-07-06 occurs in the future  
ERROR: FAMILY: US02: F1: wife's birthday 1989-08-28 after marriage 1988-07-13  
ERROR: FAMILY: US02: F1: husband's birthday 1989-03-31 after marriage 1988-07-13  
ERROR: INDIVIDUAL: US03: I14: Died 2011-04-02 before born 2012-06-11  
ERROR: INDIVIDUAL: US03: I15: Died 2019-10-01 before born 2022-07-06  
ERROR: INDIVIDUAL: US03: I2: Died 1989-07-03 before born 1989-08-28  
ERROR: FAMILY: US04: F3: Divorced 1964-03-08 before married 1984-07-12  
ERROR: FAMILY: US05: F4 Married 2010-05-04 after husband's (I6) death on 2009-06-10  
ERROR: FAMILY: US06: F1 Divorced 1990-04-03 after wife's (I2) death on 1989-07-03  
ERROR: INDIVIDUAL: US07: I5: More than 150 years old - Birth date 1860-06-15: Death 2019-10-01  
ANOMALY: FAMILY: US08: F4: Child I16 born 2008-05-07 before marriage on 2010-05-04  
ANOMALY: FAMILY: US08: F1: Child I3 born 2018-01-01 after divorce on 1990-04-03  
ANOMALY: FAMILY: US08: F1: Child I17 born 2018-01-01 after divorce on 1990-04-03  
ERROR: INDIVIDUAL: US09: I17 Birthday 2018-01-01 after mother's death on 1989-07-03  
ERROR: INDIVIDUAL: US09: I14 Birthday 2012-06-11 is 9 months later than father's death 2009-06-10  
ERROR: INDIVIDUAL: US09: I3 Birthday 2018-01-01 after mother's death on 1989-07-03  
ERROR: INDIVIDUAL: US09: I15 Birthday 2022-07-06 is 9 months later than father's death 2009-06-10  
ERROR: FAMILY: US10: F1 Married 1988-07-13 but husband: I1 Pablo /Alboran/born on 1989-03-31 age < 14 when married  
ERROR: FAMILY: US10: F1 Married 1988-07-13 but wife: I2 Sarah /Peter/born on 1989-08-28 age < 14 when married  
ERROR: INDIVIDUAL: US11: The person with id I6 is married to the person I7 with family id F4 while the person is still married to person with id I12 in family F5  
ERROR: INDIVIDUAL: US12: I8 is more than 80 years younger than Father: I4  
ERROR: INDIVIDUAL: US12: I2 is more than 60 years younger than Mother: I5  
ERROR: INDIVIDUAL: US12: I6 is more than 60 years younger than Mother: I5  
ERROR: INDIVIDUAL: US12: I6 is more than 80 years younger than Father: I4  
ERROR: INDIVIDUAL: US12: I8 is more than 60 years younger than Mother: I5  
ERROR: INDIVIDUAL: US12: I2 is more than 80 years younger than Father: I4  
ERROR: US13: FamilyID:F4 children:I15 and children:I16birthday difference greater than 2 days AND less than 8 months   
ERROR: US13: FamilyID:F4 children:I14 and children:I16birthday difference greater than 2 days AND less than 8 months   
ERROR: US13: FamilyID:F4 children:I16 and children:I15birthday difference greater than 2 days AND less than 8 months   
ERROR: US14: FamilyID:F5 has more than five child is born in date:2018-01-01  
ERROR: FAMILY: US15: F4 has more or equal than 15 siblings.  
ERROR: FAMILY: US16: F2 male members don`t have same last name.  
ERROR: FAMILY: US16: F1 male members don`t have same last name.  
ERROR: FAMILY: US17: Family: F1's member AnnaBelle /Smith/ married parent  
ERROR: FAMILY: US18: FamilyID: F4 has two children that married each other  
  
ERROR: FAMILY: US19: I14 married cousin I15  
ERROR: FAMILY: US19: I15 married cousin I15  
ERROR: FAMILY: US20: F1 : nephew: I1 married aunt: I1  
ERROR: FAMILY: US20: F1 : nephew: I2 married aunt: I1  
ERROR: FAMILY: US20: F4 : niece: I6 married uncle: I6  
ERROR: FAMILY: US20: F5 : niece: I6 married uncle: I6  
ERROR: FAMILY: US20: F6 : niece: I8 married uncle: I8  
ERROR: FAMILY: US20: F7 : nephew: I19 married uncle: I16  
ERROR: FAMILY: US20: F7 : niece: I16 married uncle: I16  
ERROR: FAMILY: US21: The family: F1 the husband: I1 gender is not male  
ERROR: Family: US22: F1 have more than one Families  
ERROR: INDIVIDUAL: US22: I1 have more than one individuals  
ERROR: INDIVIDUAL: US23: I2 have same Name & Birthday.  
ERROR: INDIVIDUAL: US23: I1 have same Name & Birthday.  
ERROR: FAMILY: US24: Family ID: F1 and F2 with the same WIFE by name null and the same marriage date: 2008-07-13  
ERROR: FAMILY: US24: Family ID: F1 and F2 with the same HUSBAND by name Pablo /Alboran/ and the same marriage date: 2008-07-13  
ERROR: FAMILY: US25: The person with id I14 has the same name Joe /Peter/ and birthday 2014-07-11 with person with id I13 in family with id F4  
ERROR: Family: US26: in family:F1 which this indiI2 as a spouse is not record this indi is children to current family:  
ERROR: Family: US26: in family:F2 which this indiI1 as a spouse is not record this indi is children to current family:  
ERROR: Family: US26: in family:F2 which this indiI2 as a spouse is not record this indi is children to current family:  
ERROR: Family: US26: in family:F1 which this indiI1 as a spouse is not record this indi is children to current family:  
ERROR: INDIVIDUAL: US27: Can't get I1's age  
US28: Siblings in family with idF2  
 id: I1 birthday: 1989-03-31  
 id: I18 birthday: 1990-02-21  
 id: I17 birthday: 1992-02-02  
US28: Siblings in family with idF4  
 id: I13 birthday: 2014-06-11  
 id: I14 birthday: 2015-07-11  
US28: Siblings in family with idF3  
 id: I6 birthday: 1987-06-11  
 id: I2 birthday: 1992-07-12  
 id: I8 birthday: 1993-02-04  
US28: Siblings in family with idF1  
 id: I3 birthday: 2017-01-01  
 id: I15 birthday: 2018-08-02  
US28: Siblings in family with idF5  
 id: I16 birthday: 2010-11-02  
 id: I12 birthday: 2011-07-10  
 I11: Liz /Elisabeth/ is dead on 2015-02-06  
FAMILY: US30: List all living married people in this GEDCOM file:  
 I4: Sam /Peter/ in family F3 is living right now  
 I9: null in family \*F2 is living right now  
 I8: Dean /Alboran/ in family F2 is living right now  
 I13: null in family F4 is living right now  
 I4: Sam /Peter/ in family \*F3 is living right now  
 I1: Pablo /Alboran/ in family F1 is living right now  
 I9: null in family F2 is living right now  
 I1: Pablo /Alboran/ in family \*F1 is living right now  
 I8: Dean /Alboran/ in family \*F2 is living right now  
 I13: null in family \*F4 is living right now  
INDIVIDUAL: US31: List all living single person in this GEDCOM file:  
 I3: Single /Test/ is a living single person.  
INDIVIDUAL: US32: List all multiple births in this GEDCOM file:  
 F1 has multiple births: Child1 /Test/and Child2 /Test/  
 F1 has multiple births: Child2 /Test/and Child3 /Test/  
 F1 has multiple births: Child1 /Test/and Child3 /Test/  
 F1 has multiple births: Child3 /Test/and Child1 /Test/  
 F1 has multiple births: Child2 /Test/and Child1 /Test/  
 F1 has multiple births: Child3 /Test/and Child2 /Test/  
INDIVIDUAL: US33: ID: I3 is an orphan!  
OOPS: US34: Family: when the family:F2 get married. The husband: I1 was more than twice as old as the wife: I2  
OOPS: US35: Individual: The Person:I1Pablo /Alboran/ born within last 30 days from today  
INDIVIDUAL: US36: List all people who died in the last 30 days in this GEDCOM file:  
 I13: Dick /Peter/ is dead in the last 30 days on 2019-10-30  
 I12: Liz /Elisabeth/ is dead in the last 30 days on 2019-11-02  
 I6: Jake /Peter/ is dead in the last 30 days on 2019-10-30  
FAMILY: US37: List all living spouses and descendants of people in this GEDCOM file who died in the last 30 days:  
Servivors in family F3:  
 No one died in family F3 in last 30 days  
  
Servivors in family F2:  
 No one died in family F2 in last 30 days  
  
Servivors in family F4:  
 Husband I6 died in last 30 days on 2019-10-30  
 Wife I7 is survivor  
 Child I15 is survivor  
 Child I14 is survivor  
  
Servivors in family F1:  
 No one died in family F1 in last 30 days  
  
Servivors in family F5:  
 Husband I6 died in last 30 days on 2019-10-30  
 Wife I12 is survivor  
 Child I13 is survivor  
 Child I23 is survivor  
  
INDIVIDUAL: US38: List all living people in a GEDCOM file whose birthdays occur in the next 30 days:  
 I17: Cora /Elsie/'s birthday is on 2018-11-16 and birthday will occur in the next 30 days  
 I20: Jim /Elsie/'s birthday is on 2016-11-17 and birthday will occur in the next 30 days  
 I41: Mike /Armstrong/'s birthday is on 1965-12-01 and birthday will occur in the next 30 days  
 I37: Eileen /Springhall/'s birthday is on 1964-12-03 and birthday will occur in the next 30 days  
 I9: Berton /Armstrong/'s birthday is on 1959-11-25 and birthday will occur in the next 30 days  
 I13: Yale /Armstrong/'s birthday is on 1988-11-18 and birthday will occur in the next 30 days  
FAMILY: US39: List upcoming anniversaries: List all living couples in a GEDCOM file whose marriage anniversaries occur in the next 30 days:  
 Family: F8 married on 2014-12-01 which its anniversary will occurs in the next 30 days.  
US42: This date is illegal:35 Feb 2008

1. Test Situation

This program is support Travis CI, for the auto test situation, you can test it by using Travis CI on the Github URL: <https://github.com/Taochai/CS-SSW-555-Group-Project>

You can see that the “build” label shows “passing”.

A screenshot of a cell phone

Description automatically generated

For auto test, we have to assert the output first, if the output contains the information we assert, then this test case is passed, for example: