**GEDCOM Report Sprint2**

1. Input file:

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 25, the test file is “US25.ged”.

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

For the user story 28, the test file is “UIS28.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:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Family:

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

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

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

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

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| 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, |

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

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ERROR: FAMILY: US16: F1 male members don`t have same last name.

ERROR: FAMILY: US20: F1 : nephew: I2 married uncle: I1

ANOMALY: FAMILY: US08: F3: Child I8 born 1967-03-03 after divorce on 1964-03-08

ERROR: FAMILY: US20: F4 : niece: I6 married uncle: I6

ANOMALY: FAMILY: US08: F4: Child I16 born 2022-07-09 after divorce on 2013-04-06

ERROR: INDIVIDUAL: US03: I15: Died 2019-10-01 before born 2022-07-06

ANOMALY: FAMILY: US08: F4: Child I15 born 2022-07-06 after divorce on 2013-04-06

ERROR: INDIVIDUAL: US12: I8 is more than 60 years younger than Mother: I5

ERROR: FAMILY: US04: F3: Divorced 1964-03-08 before married 1984-07-12

ERROR: US13: FamilyID:F4 children:I16 and children:I15birthday difference greater than 2 days AND less than 8 months

ERROR: FAMILY: US02: F7: wife's birthday 2018-01-01 after marriage 2015-12-06

ANOMALY: FAMILY: US08: F3: Child I8 born 1967-03-03 before marriage on 1984-07-12

ERROR: INDIVIDUAL: US12: I8 is more than 80 years younger than Father: I4

ERROR: US14: FamilyID:F5has more than five child is born in date:2018-01-01

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: INDIVIDUAL: US09: I13 Birthday 2007-07-10 before father's death on 2009-06-10

ANOMALY: FAMILY: US08: F3: Child I2 born 1989-08-28 after divorce on 1964-03-08

ANOMALY: FAMILY: US08: F3: Child I6 born 1987-06-11 after divorce on 1964-03-08

ERROR: FAMILY: US06: F4 Divorced 2013-04-06 after husband's (I6) death on 2009-06-10

ERROR: FAMILY: US16: F2 male members don`t have same last name.

ERROR: INDIVIDUAL: US07: I4: More than 150 years old - Birth date 1863-08-13

ERROR: INDIVIDUAL: US12: I6 is more than 80 years younger than Father: I4

ERROR: FAMILY: US02: F6: wife's birthday 2018-01-01 after marriage 1999-01-01

ERROR: FAMILY: US05: F4 Married 2010-05-04 after husband's (I6) death

1. Test Situation

A screenshot of a cell phone

Description automatically generatedWe are using the input file “TestFamilyTreeWithmanyissues.ged” as our test file. And here is an example of our test case:

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: