CS 555 Agile Methods for Software Development

Project Backlog

Group #5

Miao Li: mli20@stevens.edu
Qiang Tong: qtong1@stevens.edu
Xinyu Zhang: xzhang35@stevens.edu
Xiyu Zhu: xzhu2@stevens.edu

In this project we will implement a program to read GEDCOM format file, analyze each line of the file, save them in our program, detect logical errors in the data which we have collected and list the results of all the individuals and families which do not have any logical error.

The following are all the user stories we have found so far.

All user stories:

Read GEDCOM File		
Acceptance Test: T01	Priority: 1	Story Points: 1
As a user, I want this system can read in a GEDCOM file So that I don't have to type in all data on my own.		

GEDCOM File Analysis		
Acceptance Test: T02	Priority: 2	Story Points: 1
As a user, I want this system to analyze the GEDCOM file So that people can get some useful results from the analysis.		

Create a Data Structure to store GEDCOM data		
Acceptance Test: T03	Priority: 1	Story Points: 2
As a developer, I want this system to have a data structure, probably a class to store all the GEDCOM data So that the data can be used more easily later.		

Check Family Existence		
Acceptance Test: T04	Priority: 2	Story Points: 1
As a user, I want this system to check the family number So that each person belongs to an existed family.		

Check Marriage Date		
Acceptance Test: T05	Priority: 2	Story Points: 3
As a user, I want this system to check if the divorce date and marriage date are correct So that one husband companied with only one wife.		

Check Tags Existence		
Acceptance Test: T06	Priority: 2	Story Points: 2
As a user, I want this system to check if all the tags exist So that we can have accurate analysis.		

Check Parents of Each Family		
Acceptance Test: T07	Priority: 2	Story Points: 2
As a user, I want to check the number of husband and wife of each family So that there is only one husband and one wife in each family.		

Check Children's FAMC tags		
Acceptance Test: T08	Priority: 2	Story Points: 2
As a user, I want this system to check the FAMC of each child So that we can make sure that one child only belongs to only one family.		

Check Ages of the Individuals		
Acceptance Test: T09	Priority: 3	Story Points: 1
As a user, I want this system to check the ages for each individuals by using BIRT and DEAT So that the birthday would not be later than death time.		

Check the Sex of Parents in Each Family		
Acceptance Test: T10	Priority: 3	Story Points: 1
As a user, I want this system to check the sex of husband and wife in each family So that wife is female and husband is male.		

Check if the Parents Are Alive at the Same Time		
Acceptance Test: T11	Priority: 3	Story Points: 1
As a user, I want this system to check if husband and wife are alive at the same time (the husband's BIRT is before the wife's DEAT, and vice versa) So that there would be no logical mistakes.		

Make Sure Time is Before Current Time		
Acceptance Test: T12	Priority: 3	Story Points: 1
As a user, I want this system to make sure the time/date in the data is before the current time/date So that there would not be any logical mistakes.		

Check Surname Format		
Acceptance Test: T13	Priority: 2	Story Points: 1
As a user, I want this system to check if surname is enclosed by "/"s So that we can get the surnames correctly.		

Check MARR Date		
Acceptance Test: T14	Priority: 2	Story Points: 1
As a user, I want this system to check the marriage event date of every couple So that every marriage date is later than the husband's and wife's birthdays.		

Check DIV Date		
Acceptance Test: T15	Priority: 2	Story Points: 1
As a user, I want this system to check divorce event date So that we can make sure it is later than is couple's marriage date.		

Check Children's Birthday		
Acceptance Test: T16	Priority: 2	Story Points: 1
As a user, I want this system to check every child's birthday. So that it's before his/her parents' birthdays.		

Check Surnames in Each Family		
Acceptance Test: T17	Priority: 2	Story Points: 2
As a user, I want this system to check surnames of every member in each family So that we can make sure all the members except the women who are married have the same surname.		

Check FAMS		
Acceptance Test: T18	Priority: 3	Story Points: 1
As a user, I want this system to check the tag FAMS So that we can make sure every person who get married is in a certain family.		

Check CHIL and HUSB tags		
Acceptance Test: T19	Priority: 2	Story Points: 1
As a user, I want this system to check the birthdays of children and their parents So that children are younger than their parents.		

Check DEAT tags		
Acceptance Test: T20	Priority: 1	Story Points: 3
As a user, I want this system to make sure death time of people are later than other event time(BIRTs, DIVs or MARRs) So that there is no logical mistake.		

Check FAMC and FAMS		
Acceptance Test: T21	Priority: 2	Story Points: 3
As a user, I want this system to check FAMS and FAMS do not point to the same family So that the wife or husband is not also the child in this family.		

Check HUSB WIFE tags		
Acceptance Test: T22	Priority: 2	Story Points: 3
As a user, I want this system to make sure whenever there is a family, there would be individuals of HUSB, WIFE which point to this family So that family records and individual records match.		

Check DATE format		
Acceptance Test: T23	Priority: 3	Story Points: 2
As a user, I want the day DATE tag represents exist So that there would not be date like "2010-2-31"		

Check Parents' and Children's Birthdays		
Acceptance Test: T24	Priority: 2	Story Points: 1
As a user, I want the age gaps between parents and their children are not more than 100 years So that there would not be any logical errors.		