SSW 555 Agile Methods for Software Development Project 3

Purpose: Continue programming, create version control repository

Assignment:

From now on all project work will be done in teams. Only one member of the team needs to submit work to Canvas for each assignment.

However, each member of the team needs to perform step 1 below. That is, each member of the team needs to have a GitHub account and be able to contribute to the team's shared repository. The instructor will review the history of commits to the GitHub repository as evidence of work performed by individuals on the team. For example, if a student makes no commits to the repository during a sprint, then they will earn no points for that sprint.

1. Obtain an account on GitHub and download and install the git software. (Each member of the team must do this.)
2. Create a new public repository on GitHub with one of the programs submitted by team members for assignment Project 02. (Only one team member does this.)
3. Select one of the GEDCOM test data files from assignment Project 02 or create a new test file to use for this assignment. Include a NOTE record at the beginning of the file that names the GitHub repository created in the preceding step. (The team should agree on how this is done, but only one team member needs to do this.)
4. Modify the program to save information about individuals and families in lists (or collections) so that they can be examined later. You may assume that the number of individuals in any file is always less than 5000, and the number of families is always less than 1000. (The team should agree on how this is done, but only one team member needs to do this.)
5. After reading all of the data, print the unique identifiers and names of each of the individuals **in order by their unique identifiers**. Then, for each family, print the unique identifiers and names of the husbands and wives, **in order by unique family identifiers**. (The team should agree on how this is done, but only one team member needs to do this.)
6. Update your GitHub repository with the new version of your program.
7. Hold a team meeting to plan for the first sprint as described on the next page.

Submit your test GEDCOM file, the output file from your program, and the sprint report as one zipped archive file to the P03 Canvas assignment. Make sure that

the GitHub repository name is included in the Team page of the sprint report. The instructor needs this to review your source code.

Here's an example of the type of information your should display about your individuals and families. This version uses the Python PrettyTable module but you're free to choose a different approach.

Individuals

ID	Name	Gender	Birthday	Age	Alive	Death	Child	Spouse
I01	Joe /Smith/	M	1960-07-15	53	False	2013-12-31	NA	{'F23'}
I07	Jennifer /Smith/	F	1960-09-23	56	True	NA	NA	{'F23'}
I19	Dick /Smith/	M	1981-02-13	35	True	NA	{'F23'}	NA
I26	Jane /Smith/	F	1983-06-02	33	True	NA	{'F23'}	NA

Families

ID	Married	Divorced	Husband ID	Husband Name	Wife ID	Wife Name	Children
F23	1980-02-14	NA	I01	Joe /Smith/	I07	Jennifer /Smith/	{'I26', 'I19'}

Planning Sprint 1:

1. Review the HowToUseTeamXXReport in module “Project”.
2. Schedule a team meeting to hold a Sprint Planning Meeting.
3. During the planning meeting your team will choose a set of user stories **for your entire project**. This collection of stories will become your Project Backlog. You need enough stories so that each member of the team can implement 2 stories per sprint. Since there are 4 sprints, you will need 8 times as many stories as team members. You must choose stories from the master list of user stories included in the Project Sprint Report.
4. Fill in the following parts of the Project Sprint Report:
    1. Team sheet identifying the team members and GitHub repository name
    2. Backlog sheet listing the user stories you have selected for the project
5. During the planning meeting your team will decide which user stories and tasks will be completed in the first sprint, and who will own each story and task. The owner of each story must estimate the size (lines of code) and expected effort required (minutes) for that story. You may want to break up some stories into smaller tasks so that you can keep track of progress.

6. Complete the Sprint1 sheet of the Project Sprint Report. Make sure that each story and task is assigned an owner. Make sure that each story has an estimated size and expected effort.