M5.B1: Assignment 5: Pair Programming

Name: Sahil Mahendra Mody

CWID: 20007262

1. **Identify your pair programming partner.**

   Ujas Italia

2. **Identify the user story you implemented alone.**

   US02

3. **Your experience working alone on the user story. How long did it take to implement and test the story?**

   Firstly, I looked at the user story and tried to understand it. After getting a clear idea about the user story, I tried to implement what was expected from this user story. I found it difficult to solve this function as it took me long to figure out how to compare birthday dates and marriage dates. I also tried to solve all the test cases which came in my mind and implemented those to achieve the quality of the code. It took me 50 minutes to implement and test the story

4. **Describe your experience working with a pair programming partner on the user story. How long did it take to implement and test the story?**

   We decided to work on user story 17 to work on. Then we worked through the logic to implement and came up with the optimum solution. We were getting a clear vision about the user story easily as compared to doing alone. After that we discussed about the test cases and implemented those to ensure the quality of the code. Once done with the coding and testing we analysed the estimated & actual time and concluded that pair programming takes less time to implement a user story as compared doing alone. We took approximately 20 minutes to implement and test the user-story.

5. **Describe the advantages and disadvantages for you and your teammate while pair programming. What worked well? What didn't work well?**

   Advantages:

   a) Faster, effective when it comes to debugging, multiple ways to implement so that you can come up with the ideal solution, fewer mistakes, improved code quality.
   b) Worked well: interacting with the project partner to evaluate the solution.

   Disadvantages:

   a) Technical issues
   b) Found Difficult as communication gap because of virtual meet up

6. Would you recommend pair programming? Why or why not?

Yes, I would recommend pair programming because it makes work easier and allows you to come up with the best solution in less time. Apart from that, it helps testing because it allows us to generate more test cases while working collaboratively. As a result, the code would be of high quality, requiring less maintenance.

7. Will you use pair programming on future GEDCOM user stories? Why or why not?

I would use pair programming on future GEDCOM user stories as it makes work easy, and you can come with the best solution in less time. Also, the quality code would be good and that would eventually require less maintenance.