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CS-172-1

Individual Summary

**\* What did you use from class to design and implement your work?**

I used classes and overloaded operators from class. There was a Trip class, with HikingTrip, BackpackingTrip, ClimbingTrip, BikingTrip and IceClimbing Trip as classes within it each with things specific to just them. Overloaded operators were used to output the trip type, location and rating to both the terminal and to the txt file

**\* What concept(s) from class were made more clear?**

I actually implemented overloaded operators correctly for the first time. I now understand that the operator function calls a specific type (in this case, a class) that the operator then uses.

**\* What did you need to learn outside of class?**

I tried to do some research about exporting to a MS Word file, but the Word data type is too complex to output directly to. I also used StackOverflow and other forums to figure out weird errors that I was getting due to syntax problems.

**\* What surprised you most about this work?**

I was surprised about the ease that everything was implemented. While Madi used a top down approach (so she only compiled the project a few days before the presentation), I started with a basic program and added small things until everything was finished. I found my style worked great because I could find small errors a lot easier instead of getting 50 errors if I had compiled it all at the end.

**\* What would you do differently?**

I would have made one Trip vector instead of a vector each of HikingTrip, BackpackingTrip, ClimbingTrip, BikingTrip and IceClimbingTrip objects. That would have made less For Loops to evaluate and print everything, and would have made it easier to count the total number of trips.

**\* What would you do in “version 2” of your project**

In version 2, I would include a more robust user interface that told the user to try again if they entered an invalid character instead of the program crashing. Right now, if a person enters a char that is not 1,2,3,4,5, or ‘n’, the program crashes. I would implement a check in the function to ensure that the input is valid. I would also figure out how print out the outputted trips into a html website format instead of the txt file. Then, I could add colors and graphics and more interesting things than just black and white in a terminal.