MET CS 521 – Spring I – Final Project

Max Evans

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Werewolf Week

Werewolf week is a gender-neutral period tracker. Werewolf week also puts a focus on privacy – none of the data is sold or transmitted, just stored on the user’s computer. As a transgender guy, having a period tracker that refers to periods as “Werewolf Weeks” and doesn’t assume the gender of the user is really useful for alleviating dysphoria.

The user can input one of several commands, represented by integers:

1: Get Next Week

Based on previous Werewolf Weeks, predicts the user’s next week. Includes start and end date.

2: Enter start date, get likely end date

Based on previous Werewolf Weeks, predicts when the user’s next Werewolf Week is likely to

end given a start date.

3: Add new werewolf week to system

When the user has a new Werewolf Week, they can input its start and end date to improve

the programs ability to predict future weeks, and so that they can log their weeks.

4: get average length of Werewolf Week

Returns a number representing the average number of days between the start and end dates for

the user’s werewolf weeks.

5: get average number of days in between werewolf weeks

Returns a number representing the number of days in between Werewolf weeks (start date to start date.

0: Help

Prints out all the commands the user can call

-1: Exit

Quits the script

**Notes:**

The werewolf\_input.txt script includes one werewolf week for testing purposes. When a new user uses the Werewolf week package, they will delete any text in the werewolf\_input.txt and insert in their own dates. If the program runs without any werewolf-weeks loaded into the text, the user will be prompted to add at least one werewolf week.

**Code files included:**

**main.py** – This is the code end-users run. Main loop of the program.

**Cycle.py** – Contains the Cycle class. Logs werewolf weeks, calculates average lengths and average number of days in between.

**Date.py** – Contians the Date class. Allows users to find the number of days between two dates

by subtraction, and allows users to find a new dated by adding days to an existing, known date.