

Exercise 3

SE 3800 001

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Gorecki, Nicholas

Aviles, Eduardo

USER STORIES:

Requirements:

A1 - Years are to be entered with four digits

A2 - Months are to be entered with two digits

A3 - Days are to be entered with two digits

B1 - Years are to be no less than 1753

B2 - Months are to be no less than 1, no greater than 12

B3 - Months for a specific year must contain the day specified along with it

B4 - Days are to be no less than 1, no greater than 31

Story 1 (Nick Gorecki): As a user, I would like to be able to enter a command in order to display the difference between two dates in the number of days

Acceptance Criteria 1

- Given the format of the -d command (-d <year-month-day> <year2-month2-day2>)
- When I enter the command using the correct format, following the requirements listed atop,
- Then I want to see the program output neatly display the difference in the number of days of the two dates.

Acceptance Criteria 2

- Given if I enter a correct format but at least one requirement in B1 - B4 are not met
- When I enter the -d command
- Then I want to see the program output that I input invalid arguments.

Story 2 (Nick Gorecki): As a user, I would like to be told if I enter an illegal format for the -d command in order to know if I am doing something wrong.

Acceptance Criteria 1

- Given that the -d command has a specified format (-d <year-month-day> <year2-month2-day2>)
- When I enter an improper syntax format
- I would like to see the program display that I have entered invalid arguments and prompt me with a help message to understand the proper syntax.

Acceptance Criteria 2

- Given that the -d command has a specified format
- When I enter an improper amount of arguments
- I would like to see the program display that I have entered invalid arguments and prompt me with a help message to understand how to use the command.

Story 3 (Nick and Eduardo): As a user, I would like to be able to enter a command in order to display the day of week for the given date.

Acceptance Criteria 1:

- Given that the program is running and that the command format is correct, -w <year-month-day>, and following the requirements listed above
- When I click enter
- Then I should be displayed the day of the week for the date given

Acceptance Criteria 2:

- Given the the program is running and that the command format is following requirements A1-A3, but not B1-B4,
- When I hit enter
- Then I should be notified that the argument entered in invalid and a -help option

Story 4 (Eduardo Aviles): As a user, I want to be notified that the arguments that I entered for the - w command were incorrect in order to correct them

Acceptance Criteria 1

- Given that the program is running and that the user inputs the correct format but out of bound requirements(so it doesn't fulfill B1-B4)
- When I hit enter
- Then I get notified that my arguments are out of bounds

Story 5 (Eduardo Aviles): As user, I would like to be told if I enter a illegal command in order to know if my command is accepted by the system.

Acceptance Criteria 1

- Given that the program is running
- When I enter an illegal command, such as a character or lack thereof
- Then I should receive a notification that I have illegal syntax in my command

Story 6 (Nick Gorecki): As a user, I would like to be able to enter a command in order to display a date computed by adding a number of days to a specified date

Acceptance Criteria 1

- Given the format of the -f command (-d <year-month-day> <daysToAdd>)
- When I enter the command using the correct format, following the requirements listed at the beginning of this document,
- Then I want to see the program output neatly display the newly computed date

Acceptance Criteria 2

- Given if I enter a correct format but at least one requirement in B1 - B4 are not met
- When I enter the -f command
- Then I want to see the program output that I input invalid arguments.

Story 7 (Nick Gorecki): As a user, I would like to be told if I enter an illegal format for the -f command in order to know if I am doing something wrong.

Acceptance Criteria 1

- Given that the -f command has a specified format (-d <year-month-day> <daysToAdd>)
- When I enter an improper syntax format
- I would like to see the program display that I have entered invalid arguments and prompt me with a help message to understand the proper syntax.

Acceptance Criteria 2

- Given that the -f command has a specified format
- When I enter an improper amount of arguments
- I would like to see the program display that I have entered invalid arguments and prompt me with a help message to understand how to use the command.

Story 8 (Nick Gorecki): As a user, I would like a way to view all the accepted commands in order to know how to operate the program.

Acceptance Criteria 1

- Given that I need clarification on the system's commands
- When I enter the -help command
- Then I want to see a list of all the possible commands I can use when operating system.

Story 9 (Eduardo Aviles): As a user I want to be able to exit the program with a command in order to not have to manually terminate the terminal.

Acceptance Criteria 1

- Given that the program is running
- When I enter -exit
- Then the program should terminate, but the terminal should remain running

Story 10 (Eduardo Aviles): As a user I want to be able to display the calendar of a specified month and year in order to view the dates of that month.

Acceptance Criteria 1

- Given that I provide the program is running and that the user enters the command -c <year-month> following the requirements listed above
- When I hit enter
- Then I am displayed the month in calendar format(Weekdays from left to right and then weeks seperated top to bottom)

Acceptance Criteria 2

- Given that I provide the program with correct format, but not requirements B1-B4
- When I hit enter
- I should be notified that my arguments are out of bounds

Story 11 (Eduardo Aviles): As a user I want to be notified if my syntax in the -c command is incorrect in order to correct it.

Acceptance Criteria 1

- Given that I enter -c with illegal argument syntax
- When I hit enter
- Then I should be notified that my syntax is incorrect