

## Exercise 3

SE 3800 001

2018-10-01

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## USER STORIES:

### Requirements:

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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

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**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

## DEVIATIONS FROM USER STORIES

There really were no deviations from the user stories. If anything, we went more specific. We hit some of the acceptance criteria dead on, such as acceptance criteria for story 10.