Assignment 1: README
Ranen Liu

Pathname:
/local/home/<username>/Assignment1

CSV Filepath
/local/home/<username>/Assignment1/csvFiles

Instructions
Command: ruby diningOption.rb
- Displays a simple user instruction manual for running the program
- Includes options for each parameter

Command: ruby diningOptionApp.rb <constraint file> <historical file> <dining type> <cost> <day of the week> <time>
- Example: ruby diningOption.rb ""csvFiles/dining_constraints.csv" "csvFiles/dining_historical.csv" "dine in | Grab and go" "medium" "Tuesday" "12:00PM"
- Returns a list of dining options based on user search parameters
- Wait time is listed with dining option based on historical wait times
- Program will catch faulty input and exit

Known Issues
- Program will pass if the input date starts with a day prefix
  - "Mond" -> "Monday"
  - "MonTues" -> "Monday"
- Program will not execute if there are odd number of quotes in the command line input
  - "Dine in | Grab and go" "Medium "Tuesday" "12:00PM" will not execute
- Program will not execute correctly if time input is incorrect
  - "13:00PM" is incorrect
  - "00:00PM" is incorrect
  - "09:30PM" is incorrect

REVISIONS (03/27/2019)
New Pathname:
/local/home/<username>/Resubmit_Assignment1

New CSV Filepath
/local/home/<username>/Resubmit_Assignment1/csv_files

New Instructions
Renamed Command: ruby app_dining_option.rb

Renamed Command: ruby app_dining_option.rb <constraint file> <historical file> <dining type> <cost> <day of the week> <time>

Added Functionality
- App can round time up or down
  - Time input that is 30 minutes or past is rounded up
  - Example: 01:30PM -> 02:00PM
  - Example 11:29AM -> 11:00AM
- App displays more specific error messages
  - Error messages show exactly where the input error is
- App can return multiple error messages
  - If Time and File is incorrect, App will print out two error statements

Code Readability
- Eliminated unnecessary return statements
- Switched from camel case naming convention to underscore
- Long lines of code are broken down into multiple readable lines
- Rubocop used to format code
- Error messages are placed in one HashMap to be called individually
- Preconditions and Postconditions Comments added to each function
- Constants capitalized and added to the beginning of the file
- Logic statements are refactored into one-line guard clauses

Known Errors
- round_time: function will not change meridiem properly when rounding up or down
  - 11:59AM -> 12:00AM instead of 12:00PM
  - 12:20AM -> 00:00AM instead of 12:00AM