

Holiday Manager

Pseudocode

create holidayList and holiday class

get holidays json file

 assign each holiday to an object

 create holidayList object

 fill it with holiday objects

read holidays from <https://www.timeanddate.com/holidays/us/> (2020-2024)

 assign each holiday to an object

 append the holiday objects to the holidayList object

 update the holidays json file

set user exited to be false

while the user exited is false

 print menu options

 get user menu option choice

 if menu option is 'add a holiday'

 while incorrect holiday name

 get holiday name

 check if blank

 while incorrect date

 get date

 check if correct format 'yyyy-mm-dd'

 check if yyyy, mm, and dd are in correct range

 if holiday doesn't exist

 assign holiday to an object

 append holiday object to holidayList object

 print success message

 else

```
        print 'duplicate holiday' message
else if menu option is 'remove a holiday'
    while incorrect year
        get holiday year (option for all)
    while incorrect holiday name
        get holiday name
        check if name exists for year
        if holiday name exists
            remove all holiday objects with that name from holidayList object
        else
            print 'not found' message
else if menu option is 'save holiday list'
    while incorrect choice
        get user y/n choice
    if y
        update json file to match holidayList object
else if menu option is 'view holidays'
    while incorrect year
        get user year
        check if in range of 1500-2500
    while incorrect week
        get user week
        check if in range of 1-52
    while incorrect weather choice
        get user y/n choice
    if y
        while incorrect location
            get user location
```

```
for each holiday in designated year and week
    if weather n
        print holiday, and date
    else if weather y
        get weather forecast for date at location
        print holiday, date, and weather
else if menu option is 'exit'
    while incorrect choice
        get user y/n choice
    if y
        set user exited to be true
```