Company Lockers Pvt. Ltd.
Product LockedMe.com
Prototype of the application
https://

The prototype of the application is operated as a command line program without GUI or Web Interface. Its usage is to add files in a folder, search user -specified files, view the content, delete files and retrieve them in ascending order.

The implementation is done with the IDE intellij and java 19. Apache Commons is added to the project.

The implementation is done in two sprints:
Sprint 1:
-Clarify the specification and requirements.
-Implement functionality to add file
-Implement functionality to delete file
-implement functionality to close the program

Sprint 2:
- Implement search mechanism
- Implement view content mechanism
- Implement retrieve files in ascending order
- Documentation

Documentation of the Functionality:
Here will be introduced the different options of the program

Welcome Screen:

This is shown when the application starts. It's expected to press a number between 1 and 6 and press enter.

```
Application Name :- LockedMe.com
Developer Name :- Azam Khan
Choose Operation
(1) Retrieve Files
(2) Add File
(3) Delete a File
(4) Search for a file)
(5) View a File
(6) Quit
Enter an Integer
```

Retrieve Files:

Files which are already registered in the app can be listed on the screen. Here we can see 2 .csv files.

```
Enter an Integer

1

Screen Time Data.csv

movies.csv

Choose Operation

(1) Retrieve Files

(2) Add File

(3) Delete a File

(4) Search for a file)

(5) View a File

(6) Quit
```

Add Files:

Here a file from a desktop can be saved in a folder relative to the project path.

```
Application Name :- LockedMe.com
Developer Name :- Azam Khan
Choose Operation
(1) Retrieve Files
(2) Add File
(3) Delete a File
(4) Search for a file)
(5) View a File
(6) Quit
Enter an Integer
2

Name path and file you want to add to the app:
/Users/azamkhan/Downloads/archive/20151001hundehalter.csv
File copied
Choose Operation
(1) Retrieve Files
(2) Add File
(3) Delete a File
(4) Search for a file)
(5) View a File
(6) Quit
Enter an Integer
|
```

Delete a file:

A file from the project folder can be deleted here. The filename has to be entered.

```
Application Name :- LockedMe.com
Developer Name :- Azam Khan
Choose Operation
(1) Retrieve Files
(2) Add File
(3) Delete a File
(4) Search for a file)
(5) View a File
(6) Quit
Enter an Integer
3
Name file which you want to delete:
20151001hundehalter.csv
File deleted
Choose Operation
(1) Retrieve Files
(2) Add File
(3) Delete a File
(4) Search for a file)
(5) View a File
(6) Quit
Enter an Integer
```

Search For a File:

Here you can search for a file. Enter the file name and the program looks in its folder
if it exists.

```
Enter an Integer
4
Name file which search:
movies.csv
File movies.csv exists
Choose Operation
(1) Retrieve Files
(2) Add File
(3) Delete a File
(4) Search for a file)
(5) View a File
(6) Quit
Enter an Integer
```

View a File:

Here you can see the content of a file. The file name has to be entered.

```
Enter an Integer
5
Name file which you want to view:
movies.csv
index,movie_name,year_of_release,category,run_time,genre,imdb_rating,votes,gross_total
1,The Godfather,-1972,R,175 min,"Crime, Drama",9.2,"1,860,471",$134.97M
2,The Silence of the Lambs,-1991,R,118 min,"Crime, Drama, Thriller",8.6,"1,435,344",$130.74M
3,Star Wars: Episode V - The Empire Strikes Back,-1980,PG,124 min,"Action, Adventure, Fantasy",8.7,"1,294,805",$290.48M
4,The Shawshank Redemption,-1994,R,142 min,Drama,9.3,"2,683,302",$28.34M
5,The Shining,-1980,R,146 min,"Drama, Horror",8.4,"1,025,560",$44.02M
6,Casablanca,-1942,PG,102 min,"Drama, Romance, War",8.5,"574,092",$1.02M
7,One Flew Over the Cuckoo's Nest,-1975,R,133 min,Drama,8.7,"1,010,102",$112.00M
8,Indiana Jones and the Raiders of the Lost Ark,-1981,PG,115 min,"Action, Adventure",8.4,"969,143",$248.16M
9,The Lord of the Rings: The Return of the King,-2003,PG-13,201 min,"Action, Adventure, Drama",9,"1,849,082",$377.85M
10,Star Wars: Episode IV - A New Hope,-1977,PG,121 min,"Action, Adventure, Fantasy",8.6,"1,367,430",$322.74M
11,The Dark Knight,-2008,PG-13,152 min,"Action, Crime, Drama",9,"2,656,768",$534.86M
12,The Godfather: Part II,-1974,R,202 min,"Crime, Drama",9,"1,273,349",$57.30M
13,Aliens,-1986,R,137 min,"Action, Adventure, Sci-Fi",8.4,"720,623",$85.16M
14,Schindler's List,-1993,R,195 min,"Biography, Drama, History",9,"1,357,621",$96.90M
15,Inception,-2010,PG-13,148 min,"Action, Adventure, Sci-Fi",8.8,"2,356,293",$292.58M
16,The Lord of the Rings: The Fellowship of the Ring,-2001,PG-13,178 min,"Action, Adventure, Drama",8.8,"1,878,557",$315.54M
17,Alien,-1979,R,117 min,"Horror, Sci-Fi",8.5,"885,635",$78.90M
18,Some Like It Hot,-1959,Passed,121 min,"Comedy, Music, Romance",8.2,"269,346",$25.00M
19,Blade Runner,-1982,R,117 min,"Action, Drama, Sci-Fi",8.1,"773,425",$32.87M
20,Se7en,-1995,R,127 min,"Crime, Drama, Mystery",8.6,"1,655,745",$100.13M
21,Apocalypse Now,-1979,R,147 min,"Drama, Mystery, War",8.5,"669,994",$83.47M
22,12 Angry Men,-1957,Approved,96 min,"Crime, Drama",9,"792,729",$4.36M
23,The Lord of the Rings: The Two Towers,-2002,PG-13,179 min,"Action, Adventure, Drama",8.8,"1,669,715",$342.55M
24,Terminator 2: Judgment Day,-1991,R,137 min,"Action, Sci-Fi",8.6,"1,101,850",$204.84M
25,Star Wars: Episode VI - Return of the Jedi,-1983,PG,131 min,"Action, Adventure, Fantasy",8.3,"1,056,750",$309.13M
26,Die Hard,-1988,R,132 min,"Action, Thriller",8.2,"887,967",$83.01M
27,Gone with the Wind,-1939,Passed,238 min,"Drama, Romance, War",8.2,"317,621",$198.68M
28,Taxi Driver,-1976,R,114 min,"Crime, Drama",8.2,"836,871",$28.26M
```

Quit:

Here you can exit from the program.

```
Application Name :- LockedMe.com
Developer Name :- Azam Khan
Choose Operation
(1) Retrieve Files
(2) Add File
(3) Delete a File
(4) Search for a file)
(5) View a File
(6) Quit
Enter an Integer
6


Process finished with exit code 0
```

Flowchart:

```
                        ┌──────────┐
                        │  Start   │
                        └────┬─────┘
                             │
                             ▼
         ┌───────────────< Option >◄─────────────────────┐
         │         ┌──────┬──┴──┬────────┬──────┐         │
         ▼         ▼      ▼      ▼        ▼      ▼         │
   ┌─────────┐ ┌────────┐ ┌──────────┐ ┌──────────┐ ┌──────────┐ ┌────────┐
   │1:Retrieve│ │2:Add   │ │3: Delete │ │4: Search │ │5: View   │ │6: Quit │
   │          │ │  File  │ │   File   │ │   File   │ │   File   │ │        │
   └────┬─────┘ └───┬────┘ └────┬─────┘ └────┬─────┘ └────┬─────┘ └───┬────┘
        └──────┬────┴───────────┴────────────┴────┬──────┘           │
               ▼                                   ▼                  │
            < Exit == false >◄──────────────────────────────────────┘
                   │                                       false
                   │ true
                   ▼
              ┌──────────┐
              │   Stop   │
              └──────────┘
```