Input Username:

Input Password:

Unsuitable input

N

Y

1

Valid ID

Invalid ID

Unsuitable input

MAIN PAGE

1. Select portfolio to manage
2. Add new portfolio
3. Exit application

Please type in number 1-3 according to your preferences:

3

Back in User’s Desktop

2

Correct

Incorrect

Username and/or password incorrect. Please try again below.

----------------------------------

Input Username:

Input Password:

-----------------------------------------------

These are existing portfolios:

ID Portfolio name

1001 U.S. stocks

1002 Kampot lands

1003 Cambodian Bonds

----------------------------------------------

Please type in portfolio ID to manage:

Please type NEW portfolio name: Koh Kong Lands

New portfolio added:

-----------------------------------------------

ID Portfolio name

1004 Koh Kong Lands

-------------------------------------------------

Do you want to manage the new portfolio? (Y/N):

Invalid Input. Please try again.

-------------------------------------------------------

MAIN PAGE

1. Select Portfolio
2. Add new portfolio
3. Exit application

Please type in number 1-3 according to your preferences:

Invalid Portfolio ID given.

---------------------------------

Please type in portfolio ID to manage:

Assets Management Page (next page)

Invalid input. Please try again.

-----------------------------------------------------

Do you want to manage the new portfolio? (Type “Y” for Yes/ ”N” for No):

MAIN PAGE

1. Select Portfolio
2. Add new portfolio
3. Exit application

Please type in number 1-3 according to your preferences:

Assets Management Page (next page)

ASSETS MANAGEMENT

1. View all/ Search assets
2. Add new asset
3. Delete asset/portfolio
4. Edit asset
5. Sort assets
6. Return to Main Page
7. Read/ Write from file

Please type in number 1-7 according to your preferences:

**If ‘1’ is typed in**

Do you want to search ( type ‘1’ ) or view all assets ( type ‘2’) ? :

Invalid input. Please try again.

----------------------------------------------------

Do you want to search ( type ‘1’ ) or view all assets ( type ‘2’) ? :

Invalid input

2

1

-----------------------------------------------------------------

These are existing assets:

ID Name Price Quantity Date

10011 Coca $30 100 28/09/2000

10021 Tesla $1000 5 10/10/2019

10031 Zoom $200 10 28/05/2020

-----------------------------------------------------------------

Please type in ID or Name of asset:

Asset NOT found

Asset found

Please type in ID or Name of asset: @@

Asset not found. Please try again.

----------------------------------------------------------------------

Please type in ID or Name of asset:

Please type in ID or Name of asset: Coca

----------------------------------------------------------------------

ID Name Price Quantity Date

10011 Coca $30 100 28/09/2000

----------------------------------------------------------------------

Return to the Asset Management Page Return to the Asset Management Page

ASSETS MANAGEMENT

1. View all/ Search assets
2. Add new asset
3. Delete asset/portfolio
4. Edit asset
5. Sort assets
6. Return to Main Page
7. Read/ Write from file

Please type in number 1-7 according to your preferences:

**If ‘2’ is typed in**

Add New Asset

Please type in new asset details below.

Valid input example

Invalid input example

Please type NEW asset name: Berkshire

Please type NEW asset price (numbers only): 28

Please type NEW asset quantity(numbers only): 10

Please type NEW asset date(DD/MM/YYYY): 10/10/1990

New asset added:

-------------------------------------------------------------------------------

ID Name Price Quantity Date

10041 Berkshire $28 10 10/10/1990

------------------------------------------------------------------------------

Invalid input given.

------------------------------------

Please type NEW asset name:

Please type NEW asset price:

Please type NEW asset quantity:

Please type NEW asset date:

Return to Assets Management Page automatically

ASSETS MANAGEMENT

1. View all/ Search assets
2. Add new asset
3. Delete asset/portfolio
4. Edit asset
5. Sort assets
6. Return to Main Page
7. Read/ Write from file

Please type in number 1-7 according to your preferences:

Y

Portfolio <name> with id: <id> has been deleted successfully.

Are you sure? (Y/N):

Are you sure? (Y/N):

Valid ID

Invalid ID

2

1

Please Enter ID of asset to delete:

Delete Asset/Portfolio

Type ‘1’ to delete Portfolio. Type ‘2’ to delete an asset.

Input:

**If ‘3’ is typed in**

Invalid input

N

Invalid input. Please try again.

---------------------------

Are you sure? (Y/N):

Return to Assets Mangement Page

Invalid ID entered. Please try again.

-----------------------------------------------------

Please Enter ID of asset to delete:

Y

Invalid Input

N

Invalid input. Please try again.

---------------------------

Are you sure? (Y/N):

Return to Assets Mangement Page

<Asset name> with id: <id> has been deleted successfully.

ASSETS MANAGEMENT

1. View all/ Search assets
2. Add new asset
3. Delete asset/portfolio
4. Edit asset
5. Sort assets
6. Return to Main Page
7. Read/ Write from file

Please type in number 1-7 according to your preferences:

2

1

**If ‘4’ is typed in**

Edit Asset

Please type in ID of asset to update:

Invalid ID input example

Valid ID input example

Please type in ID of asset to update: 33333

ID given not found. Please try again.

---------------------------------------------------------------------------

Please type in ID of asset to update:

Please type in ID of asset to update: 10011

Please type in new details below:

Invalid details input example

Valid details input example

Please type in ID of asset to update: 10011

Please type NEW asset name: Berkshire

Please type NEW asset price: 28

Please type NEW asset quantity: 10

Please type NEW asset date: 10/10/1990

This is the updated asset

-----------------------------------------------------------------------

ID Name Price Quantity Date

10011 Berkshire $28 10 10/10/1990

------------------------------------------------------------------------

Incorrect input. Please try again below.

------------------------------------

Please type NEW asset name:

Please type NEW asset price:

Please type NEW asset quantity:

Please type NEW asset date:

Return to Assets Management Page

ASSETS MANAGEMENT

1. View all/ Search assets
2. Add new asset
3. Delete asset/portfolio
4. Edit asset
5. Sort assets
6. Return to Main Page
7. Read/ Write from file

Please type in number 1-7 according to your preferences:

2

1

**If ‘5’ is typed in**

Sort Asset

These are existing assets:

ID Name Price Quantity Date

10011 Zoom $30 100 28/09/2000

10021 Tesla $1000 5 10/10/2019

10031 Apple $200 10 28/05/2020

---------------------------------------------------------------------------

Do you want to sort by Name(Type ‘1’) or Price (Type ‘2’) ?

1

Invalid input

2

------------------------------------------------------------------

All Assets Sorted by Name:

ID Name Price Quantity Date

10011 Apple $28 10 10/10/1990

10021 Tesla $1000 5 10/10/2019

10031 Zoom $200 10 28/05/2020

------------------------------------------------------------------------

Invalid input.

--------------------------------------------------------------------------------

Do you want to sort by Name(Type ‘1’) or Price (Type ‘2’) ? :

Do you want to sort ascending or descending prices?

Type ‘1’ for ascending, or ‘2’ or descending:

Invalid input

2

1

Invalid input. Please try again.

-----------------------------------------------------------------------

Do you want to sort ascending or descending prices?

Type ‘1’ for ascending, or ‘2’ or descending :

------------------------------------------------------------------

Assets Sorted in ascending prices:

ID Name Price Quantity Date

10011 Apple $28 10 10/10/1990

10031 Zoom $200 10 28/05/2020

10021 Tesla $1000 5 10/10/2019

------------------------------------------------------------------------

------------------------------------------------------------------

Assets Sorted in descending prices:

ID Name Price Quantity Date

10021 Tesla $1000 5 10/10/2019

10031 Zoom $200 10 28/05/2020

10011 Apple $28 10 10/10/1990

------------------------------------------------------------------------

Return to Assets Management Page

ASSETS MANAGEMENT

1. View all/ Search assets
2. Add new asset
3. Delete asset/portfolio
4. Edit asset
5. Sort assets
6. Return to Main Page
7. Read/ Write from file

Please type in number 1-7 according to your preferences:

**If ‘6’ is typed in**

MAIN PAGE

1. Select portfolio
2. Add new portfolio
3. Exit application

Please type in number 1-3 according to your preferences:

(Option 1-3 are illustrated in above pages)

**If ‘7’ is typed in**

ASSETS MANAGEMENT

1. View all/ Search assets
2. Add new asset
3. Delete asset/portfolio
4. Edit asset
5. Sort assets
6. Return to Main Page
7. Read/ Write from file

Please type in number 1-7 according to your preferences:

Do you want to write to file (Type ‘1’) or write from file (‘Type 2’)? :

Reading from file…

Writing to file…

Failed reading from file.

--------------------------------------------

Do you want to write to file (Type ‘1’) or write from file (‘Type 2’)? :

Success!

FAILED writing to file.

---------------------------------------------

Do you want to write to file (Type ‘1’) or write from file (‘Type 2’)? :

Success!

Return to Assets Management Page

Return to Assets Management Page

**If invalid input is typed in**

ASSETS MANAGEMENT

1. View all/ Search assets
2. Add new asset
3. Delete asset/portfolio
4. Edit asset
5. Sort assets
6. Return to Main Page
7. Read/ Write from file

Please type in number 1-5 according to your preferences:

Invalid Input. Please try again.

-------------------------------------------------------

ASSETS MANAGEMENT

1. View all/ Search assets
2. Add new asset
3. Delete asset/portfolio
4. Edit asset
5. Sort assets
6. Return to Main Page

Please type in number 1-5 according to your preferences: