

# *User Guide*

***SITE***

**Project Money Service**

TEAM SOUTH

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## 1. Configuration (Set up program)

### 1.1 Configuration file

A filename including path for a configuration file needs to be supplied to the program. For full configuration details see Appendix A. Figure 1 shows an example on how the contents of the configuration file could look like.

#### General

- All files and parameters need to have format according to below  
"description = value" where the "=" sign is important
- If Reference currency is changed the CurrencyConfig file needs to be updated
- If more currencies should to be supported they need to be added to the reference currency file
- A currency is defined by 3 letters all in UPPERCASE for example SEK

#### Files that need to be defined by user

- **Configuration file** – Format .txt -> Will be added to the program as an argument  
**NB!** Full path needs to be included
- **CurrencyConfig file** – Format .txt -> Defined in Configuration file  
**NB!** Full path needs to be included  
**NB!** Name of file can be configured but has to end with YYYY-MM-DD.txt

#### Parameters that need to be defined by user

- **ReferenceCurrency** – The local currency
- **Sitename** – Name of site that is being created

#### Optional parameters that can be customized

- The value of any supported currency code in BoxOfCash
- Logformat (Default: text)
- Loglevel (Default: ALL)
- TransactionFee = (Default: 0.005)
- PathTransactions = (Default: Transaction) - folder in same directory
- PathOrders = (Default: Orders) - folder in same directory
- PathSiteReports = (Default: SiteReports) - folders in same directory

#### Logging (only for administrators/developers)

- Logformat = Defines the format of the file (text or xml)
- Loglevel = Defines how much that should be logged

```
1 Logformat = text
2 Loglevel = ALL
3 CurrencyConfig = DailyRates/DETALJERAT RESULTAT_2021-04-01.txt
4 BoxOfCash
5 AUD = 1500
6 CHF = 1500
7 DKK = 10000
8 EUR = 5000
9 GBP = 2500
10 JPY = 20000
11 NOK = 10000
12 RUB = 30000
13 USD = 2000
14 SEK = 50000
15 End
16 ReferenceCurrency = SEK
17 SiteName = south
```

Figure 1: Example of the contents of configuration file

## 1.2 Folders needed

### Folders with files that needs to be updated manually

- **Configs:** Holds the file(s) that can be used for configuration of the program. Same can be used several times as long as the currency config file is updated in Configuration file but it is strongly recommended to use separate for each day since box of cash is defined in the file.
- **DailyRates:** Holds the file(s) that is used for currency rates for each day

### Folders with files that will be stored automatically

- **Orders:** The program will store each order if it contains an available currency code even if it isn't approved from the Site
- **SiteReports:** The program will store the current status of box of cash after a session in a text file (when the program is terminated).  
The name of the file is by default: "SiteReport\_SITEName\_Date(YYYY-MM-DD).txt"
- **Transactions:** The program will store all approved transactions in a .ser file after a session (when the program is terminated).

## 2. Using the program

### 2.1 Start menu

When starting the application, the user gets three different choices, see Figure 2.

1. Site menu – *Enter the menu for the Site*
  - a. Present current transactions to the console
  - b. Create site report – shutting down the service and stores all approved transactions in Site
2. User menu – *Enter the menu for a user*
  - a. Creating orders
0. Exit application - *Shut down program*

```
*** Money Service Menu -----  
1 - Site menu  
2 - User menu  
0 - Exit application  
  
Enter your choice (0-2): |
```

Figure 2: Picture of Money Service applications start menu, console.

### 2.2 Site menu

When entering the Site menu, the user gets 3 different choices, see Figure 3.

1. Present current statistics – *Prints all approved transactions for session*
2. Create site report – *Store all approved transactions for session in a .ser file*
0. Exit application - *Return to Start menu*

```
*** Money Service Site Menu -----  
1 - Present current transactions  
2 - Create site report  
0 - Exit application  
  
Enter your choice (0-2): |
```

Figure 3: Picture of Site menu, console.

### 2.3 User menu

When entering the Site menu, the user gets 2 different choices, see Figure 4.

1. Create an order – *Create an order request for Site*
0. Exit application - *Return to Start menu*

```
*** Money Service User Menu -----  
1 - Create an order  
0 - Exit application  
  
Enter your choice (0-1): |
```

Figure 4: Picture of User menu, console.

For the customer to create an order the customer needs to enter tree different parameters:

1. If the customer wants to buy or sell currency, see Figure 5.
2. Choose which currency the customer wants to buy or sell, from a list of available currencies, see Figure 6.
3. The amount of the chosen currency, see Figure 7.

```
*** Create an order -----  
Do you want to buy or sell currency?  
1 - BUY  
2 - SELL  
  
Enter your choice (1-2): |
```

Figure 5: Customer menu for choosing to buy or sell.

```
*** Create an order -----  
Available currencys:  
1 - AUD  
2 - CHF  
3 - CNY  
4 - DKK  
5 - EUR  
6 - GBP  
7 - JPY  
8 - NOK  
9 - RUB  
10 - USD  
  
Enter your choice (1-10): |
```

Figure 6: Customer menu for choosing currency.

```
*** Create an order -----  
Available bills:  
50, 100, 200, 500, 1000,  
Enter amount: |
```

Figure 7: Customer menu for entering amount

When customer has finished entered the parameters, the order and a message if the order was approved gets printed, see Figure 8.

```
Your order has been placed:  
Site = SOUTH  
Transaction = BUY  
Currency = AUD  
Amount = 150  
  
Your order has been approved!
```

Figure 8: Message for customer after order parameters is entered.

## Appendix A: Configuration details

### Configuration parameters

#### NOT OPTIONAL

Parameter	Description
currencyConfig	Filename including path for daily currency rates. Format .txt  Example: currencyConfig = CurrencyDirectoryName/DailyCurrencyRatesFileName.txt
referenceCurrency	The currency code of the local currency the Site will trade with. <b>NB!</b> Needs to be in three capital letters  Example: referenceCurrency = SEK
siteName	The name of the Site.  Example: siteName = South
BoxOfCash	Currency codes that are supported and the amount of the currency. A currency code is defined by 3 letters all in UPPERCASE for example SEK.  Example: BoxOfCash AUD = 1500 CHF = 1500 DKK = 10000 EUR = 5000 GBP = 2500 JPY = 20000 NOK = 10000 RUB = 30000 USD = 2000 SEK = 50000 End

#### OPTIONAL

Parameter	Description
transactionFee	A number that represents the transaction fee the Site will charge the customer. <b>Default is set to 0.005 which equals 0.5%</b>  Example: transactionFee = 0.008



pathTransactions	<p>The directory path for storing transactions. <b>Default directory name is set to Transactions</b></p> <p>Example: pathTransactions = TransactionsDirectoryPathName</p>
pathOrders	<p>The directory path for storing orders. <b>Default directory name is set to Orders</b></p> <p>Example: pathOrders = OrdersDirectoryPathName</p>
pathSiteReports	<p>The directory path for storing site reports. <b>Default directory name is set to SiteReports</b></p> <p>Example: pathSiteReports = SiteReportsDirectoryPathName</p>
<b>OPTIONAL</b>	<b>LOG &amp; TEST parameters</b>
logFormat	<p>Format for the logger file. Available options:</p> <ul style="list-style-type: none"> <li>• <b>text (default)</b></li> <li>• xml</li> </ul> <p>Example: logFormat = xml</p>
logLevel	<p>The level of details when logging. Available options:</p> <ul style="list-style-type: none"> <li>• <b>all (default)</b></li> <li>• info</li> <li>• warning</li> <li>• fine</li> <li>• finer</li> <li>• finest</li> </ul> <p>Example: logLevel = all</p>
testMode	<p>For testing the application. Generates random orders. Available options:</p> <ul style="list-style-type: none"> <li>• <b>false (default)</b></li> <li>• true</li> </ul> <p>Example: testMode = true</p>