SRS for CoinExchanger Website

Document Information

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Introduction

Purpose

The purpose of this SRS document is to define the requirements for the development of a QA Testing Framework to test the CoinExchanger Website.

Scope

This document is a Software Requirements Specification (SRS) that describes the CoinExchanger Website features. The document includes a set of use cases that describe the user interactions which the CoinExchanger Website must provide to the user for perfect interaction.

Overall Description

About

The CoinExchanger Website is a website that exchanges coins by type, the user must enter a numeric value and to choose from which coin type he wants to exchange to which coin type he wants to exchange for and the website will calculate for him the result.

Features

The Home Page

In the first row, in the middle we have the header "Exchange".
In the second row we have the label "From:", next to it we have the type dropdown with the default type "Shekels" and next to it we have a numeric textbox which accepts only numeric values.

- The numeric textbox cant be empty, and it accepts values from 1 to 100,000,000.
- If we enter a value that's not a number the text box will be cleared automatically, and if we enter a numeric value that's lower than 1 or higher than 100,000,000 an error alert will pop up below the textbox which shows that the value is not valid. (**See the image below**)

The type dropdown will open a list with the saved types in the website, the saved types are "Shekels", "Dollars" & "Euros" and by clicking one of the types in the list the list will disappear and the type that we clicked on will appear in the type dropdown. (**See the image below)**
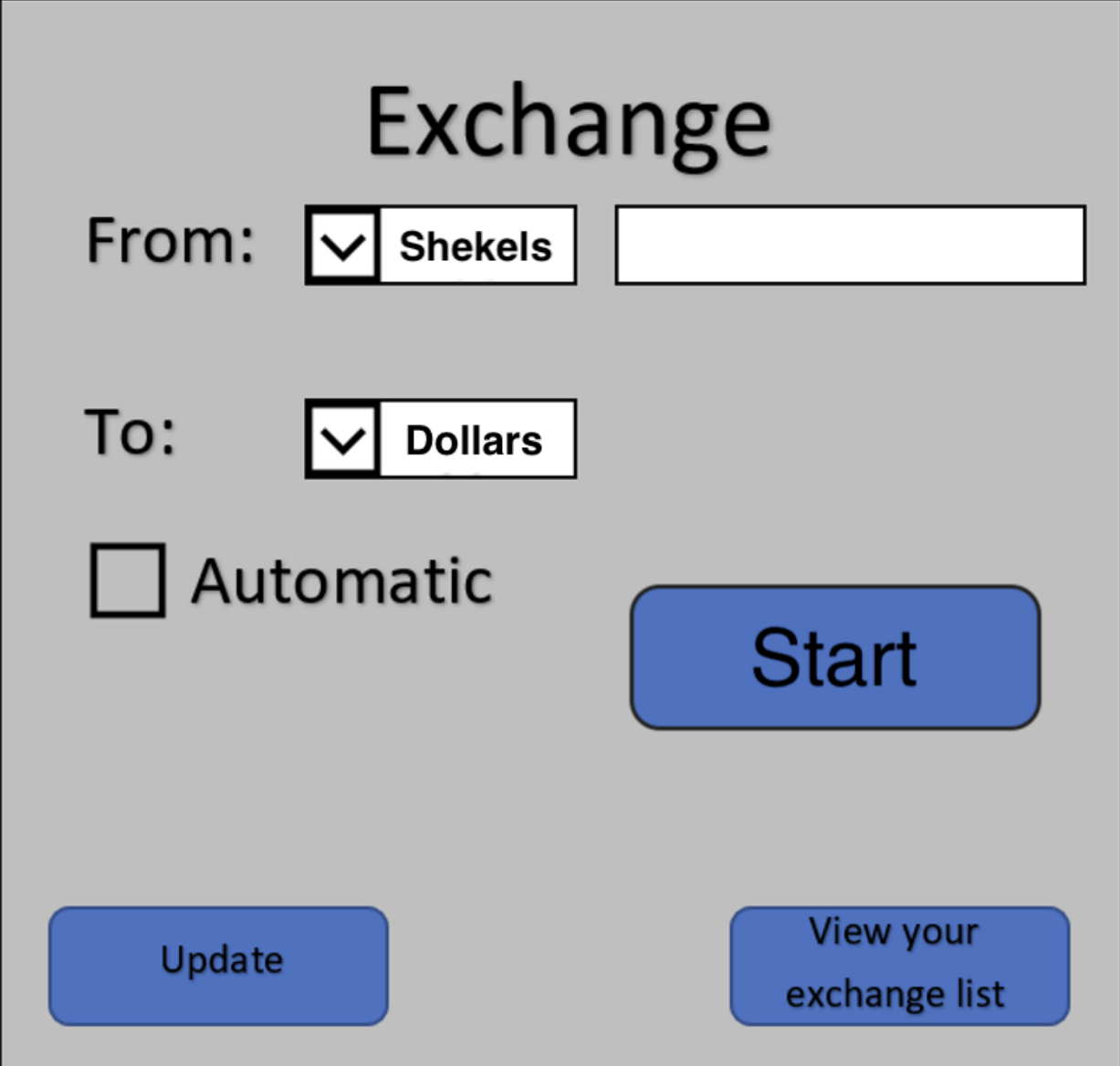
Exchange

From: ⌄ **Shekels**

| Shekels |
| Dollars |
| Euros |

To:

☑ Automatic

start

Update

View your exchange list

In the third row we have the "To:" label and next to it we have a type dropdown which does the same job as the first dropdown.

In the fourth row we have the "Automatic" checkbox, when the website opens the checkbox will be selected and a "V" will appear in the box, by selecting this box, the result will appear automatically while typing the values in the numeric textbox.

Below the "Automatic" checkbox we have the "Start" button, this button will be unclickable if the "Automatic" checkbox is selected and after unselecting the "Automatic" checkbox the button will be clickable and by clicking it we will get the result of the exchange. **(See the image below)**

Below the start button we will have the result of the exchange after entering the value in the numeric textbox, the result is a text that cant be changed. **(See the image below)**

In the row below the result we have two buttons, the "Update" & the "View your exchange list" buttons.
By clicking the "Update" button the Updating Page opens, and by clicking the "View your exchange list" button the Exchanging History

List opens and the text in the button will change to "Hide your exchange list".

Exchanging History List

The exchange history will be displayed in this list. **(See the image below)**

In the list cards we have in the first row the card number - for each card we have the "#" and after it we have the number of the card which is the number of the exchange, by order.

In the second row we have the text **From type1 to type1**, the word From and to won't change, the changes will be only in the first and the second type depending on the exchange that we do.

In the third row we have the values that we exchanged, the order will be the same as the order in the text **From type1 to type1**, the "=" wont change, the first and the second types will be changed depending on the exchange that we do. (**Type1 amount = Type2 amount**).

Next to the 3 rows we have the "X" button, by clicking the button, the card with the button that we clicked will be removed from the list.

- The list will be saved all the time that the website is opened, also if we open the updated page, and if we click on the "Hide your exchange list" button the list will disappear.
- The list does not have a maximum value, if we exchange more than 3 times, the first 3 cards will appear and the rest of the cards we need to scroll down to see them.

Updating Page

In this page we can update the coin types, in this page we have a list of types and for each type we have a value, the values will be calculated and displayed according to their value by 1 Shekel. **(See the image below)**

UPDATE

TYPE	VALUE
Shekels	1
Dollars	0.25
Euros	0.23

Type [   ]

New Value [   ]

BACK   **UPDATE**

In the first half we have the table with the types and the values, this table can contain up to 3 rows along with the Shekels row.
Next to each row we have the "x" button, by clicking this button the row that we clicked the button in will be removed, only the Shekels row we can't remove and we don't have an "x" button in that row.
Below the table we have the label "Type" and next to it we have a textbox that accepts the currency types, this textbox can't be empty and the types that we enter should be one of the saved currency

, under the label "Type" we have the "New Value" label and next to it we have another textbox, this textbox is not editable and must not be empty, after entering one of the saved currency words in the "Type" textbox, the "New Value" textbox will be changed to the value of this new currency according to their value by 1 Shekel while typing the new type.

- If we enter an invalid value in the "Type" textbox the "New Value" will be empty and if we try to update the values in the table, an error message will appear which shows that the textbox can't be empty. **(See the image below)**

UPDATE

	TYPE	VALUE
	Shekels	1
⊗	Dollars	0.25
⊗	Euros	0.23

Type   `fdagafd`

New Value   `                    `

This field can't be empty

BACK   **UPDATE**

Below the textboxes we have two buttons, the "BACK" and the "UPDATE" buttons, by clicking the "BACK" button we will go back to the home page without any changes, and if we click on the "UPDATE" button, the new value will be added to the table unless if we have 4 rows in the table, an error text will pop up which shows that the table is full. **(See the image below)**

UPDATE

	TYPE	VALUE
	Shekels	1
X	Dollars	0.25
X	Euros	0.23
X	Pound	0.20

Type   Yen

New Value   37.51

The table is full, the new type can't be added.

BACK   UPDATE

The saved currencies table

Currency	Value
Dollar	0.25
Euro	0.23
Pound	0.20
Rupee	20.61
Franc	0.22
Ringgit	1.18
Yen	37.45
Peso	14.06
Dinar	0.077
Lev	0.46
Koruna	5.74
Dirham	0.91
Rial	10459.84
Lira	6.99