



User Story

Rules

Example

Questions

We start by **writing the User Story** being discussed on a yellow post-it note and placing it at the top of the table.

Then, we write each of the **acceptance criteria, or rules** we already know, on a **blue post-it** and place them under the yellow post-it of the User Story.

For each rule, we may need **one or more examples** to illustrate it. We write them on a **green post-it** and place them under the rule concerned.

While discussing these examples, we may **discover questions that no one in the room can answer**. These are written on a **red post-it** and the conversation continues.

User Story

Question ?

Rule

Rule

Rule

Question ?

Example

Example

Example

Example

Example

Example

Outcome

- New User Stories / split
- Refined rules / acceptance criteria
- Key examples
- Shared understanding

Gherkin

- *Given* <context>
- *When* <action/behavior>
- *Then* <expected result>

Define Pivot Currency

What happens if we try to change the Pivot Currency?

Once defined the Pivot Currency can not be changed

Is it possible to change the Pivot Currency?

Change the Pivot Currency

Any currency can be provided as a Pivot

EUR by default?

Use Euro as Pivot Currency

Given a Bank
When I set Euro as Pivot Currency
Then the bank should use Euro as Pivot for conversion

Given a Bank with Euro as Pivot Currency
When I change the Pivot Currency
Then it should return an error explaining that the system does not support this operation

Add an exchange rate

What is the minimal exchange rate authorized?

May an exchange rate be negative?

Exchange rates must be > 0

Add an exchange rate for the Pivot Currency

Given a Bank with Euro as Pivot Currency
When I add an exchange rate for the currency Euro
Then it should return an error explaining that exchange rate can not be added for the pivot currency

Add an invalid rate for a Currency

Given a Bank with Euro as Pivot Currency
When I add an exchange rate of 0 for the currency Dollar
Then it should return an error explaining that exchange rate should be greater than 0

Given a Bank with Euro as Pivot Currency
When I add an exchange rate of -1 for the currency Dollar
Then it should return an error explaining that exchange rate should be greater than 0

As a Foreign Exchange Expert
I want to add/update exchange rates by specifying : a multiplier rate and a currency
So they can be used to evaluate client portfolios

What happens if we try to add/update rate for the Pivot Currency?

Exchange rate can not be defined for the Pivot Currency

What happens if we try to add/update rate for the Pivot Currency?

Add an exchange rate

Given a Bank with Euro as Pivot Currency
When I add an exchange rate for the currency KoreanWons with a rate of 1.200989588
Then it should succeed

Given a Bank with Euro as Pivot Currency
When I add an exchange rate for the currency KoreanWons with a rate of 0.00000001455
Then it should succeed

Update an exchange rate

Given a Bank with Euro as Pivot Currency and an exchange rate of 1.2 defined for Dollar
When I update the exchange rate for Dollar with 1.3
Then the exchange rate from Euro to Dollar should be 1.3

Convert a Money

As a Foreign Exchange Expert
I want to add/update exchange rates by specifying : a multiplier rate and a currency
So they can be used to evaluate client portfolios

What happens if we want to convert an amount in a currency not known by the system?

Error for unknown currency

Convert in unknown currencies

Given a Bank with Euro as Pivot Currency
When I convert 10 Euros to Korean Wons
Then it should return an error explaining that the system has no exchange rate defined for "EUR->KRW"

Given a Bank with Euro as Pivot Currency and an exchange rate of 1.2 defined for Dollar
When I convert 10 Korean Wons to USD
Then it should return an error explaining that the system has no exchange rate defined for "KRW->USD"

Convert an amount from Any Currency to same currency should return same amount

Convert 10 Dollars in Dollars

Given a Bank with Euro as Pivot Currency and an exchange rate of 1.2 defined for Dollar
When I convert 10 Dollars to Dollar
Then it should return 10 Dollars

Convert from Pivot Currency to Pivot Currency return same amount

Euro as Pivot return same amount

Given a Bank with Euro as Pivot Currency
When I convert 10 Euros to Euro
Then it should return 10 Euros

Can we convert from a money X to another money Y (X and Y are not Pivot Currency)?

Convert through Pivot Currency

Convert to KoreanWons without direct exchange rate

Given a Bank with Euro as Pivot Currency and an exchange rate of 1.2 defined for Dollar and an exchange rate of 1344 defined for Korean Wons
When I convert 10 Dollars to Korean Wons
Then it should return 11 200 Korean Wons

Can we convert negative amounts?

Conversion can be made on any amount

Any amount can be converted : 0, negative, positive

Given a Bank with Euro as Pivot Currency
When I convert -10 Euros to Euro
Then it should return 0 Euros

Given a Bank with Euro as Pivot Currency and an exchange rate of 1.2 defined for Dollar
When I convert 0 Dollars to Dollar
Then it should return 0 Dollars

Given a Bank with Euro as Pivot Currency and an exchange rate of 1.2 defined for Dollar
When I convert -2 Dollars to Euro
Then it should return -1.66... Dollars