

# e-Receipts – Invention Disclosure

1. When a *User* clicks a “Pay” button or swipes their phone, the *Merchant* activates the *User*’s payment *Wallet* with a *payment request* message including a *randomized receiptUrl*.

```
{
  "paymentRequest": {
    "commonName": "Space Shop",
    "amount": "550.00",
    "currency": "EUR",
    "referenceId": "20231007"
  },
  "receiptUrl": "https://spaceshop.com/receipts/20231007j5lOEL2w9cWBFUwkbrFgjQ"
}
```

Non-normative sample request

2. After authorization by the *User*, the *Wallet* responds with the authorization data.
3. The Payment process. *Details are outside of this specification.*
4. If step #3 is successful, the *Merchant* provides a *Receipt* at the *receiptUrl*. Note that a *Receipt* may have states like **ready** and **inProgress** since gas station payments are not finalized until the pump operation stops.
5. If step #3 is successful, the *Merchant* sends a confirmation message to the *Wallet*.
6. When the confirmation has been received, the *Wallet* *polls* the *receiptUrl* for the *Receipt* which is subsequently stored in the *Wallet* for easy retrieval by the *User*.



# Summary of the Invention

## Information Flow

- The proposed information flow is supposed to be compatible with direct payments as well as two-phase payments.
- The use of a randomized receiptUrl makes the proposed system aligned with privacy requirements with respect to the payer. No user registration is required either.
- By supplying the receiptUrl together with the payment request, the proposed system becomes resilient to possible network errors, including a not received confirmation message. That is, the Wallet may start polling immediately after step #2.

## Receipt Characteristics

- The proposed system is supposed to be compatible with any technology for expressing a receipt, including XML, JSON, and CBOR.
- Receipts may be digitally signed.
- Receipts may contain any applicable information, all viewed through a specific rendering facility in the Wallet.
- Receipts may be “synched” to a cloud service making them available on multiple devices.



# Space Shop

"Rocket Science for Everybody"

2000 Avenue des Champs-Élysées  
75000 Paris  
France

Phone: 01.50.10.42.08

e-mail: support@spaceshop.com

SAMPLE

## Core Receipt Data

Payee Name	Total	Subtotal	Tax	Time Stamp	Reference Id
Space Shop	636.75 EUR	530.49 EUR	106.09 EUR (20%)	2023-11-27 08:45:59 UTC	2023112700000001

## Order Data

Description	Quantity	Subtotal
Model Rocket SpaceX Falcon Heavy Scale 1:200	1	499.99 EUR
Nasa T-Shirt Grey, Size: L	2	30.50 EUR

## Shipping

Description	Cost
Free shipping	0.00 EUR



2023112700000001

## Return Policy:

Items can be returned within 30 days of receipt of delivery using the Online Returns Center. Once the item is received at our Customer Support Center, it takes 2 business days for the refund to be processed and 3-5 business days for the refund amount to show up in your account.

## Payment Details

Provider Name	Account Type	Account Id	Transaction Id	Time Stamp	Request Id
My Bank	BankNet2	FR*0272	#0100345425	2023-11-27 08:45:59 UTC	2023112700000001