



Assignment

Problem Statement

As a user of UPI feature of One Banc Application, one must have the functionality of viewing the transaction history of all transactions processed on the application as well as view the details of each transaction by clicking on the tile of each such transaction

You need to create the following screen –

- **Transaction History Screen** – The transaction history screen lists all the transactions of a user on UPI ecosystem done via OneBanc application. The list of transactions is populated like a chat screen (bottom to top) with the most recent transaction appearing at the bottom. Transactions should be grouped by the dates of transaction as displayed in the reference wireframe (Figure – 1) There could be the following transaction states and transaction types in the history screen –

Transaction Type	Display Buttons	Transaction Direction	Alignment
Pay	NA	Sent	Right
Pay	NA	Received	Left
Collect	Pay and Reject	Received	Left
Collect	Cancel	Sent	Right

Wireframe

Following is the wireframe for reference for implementation of the screen –

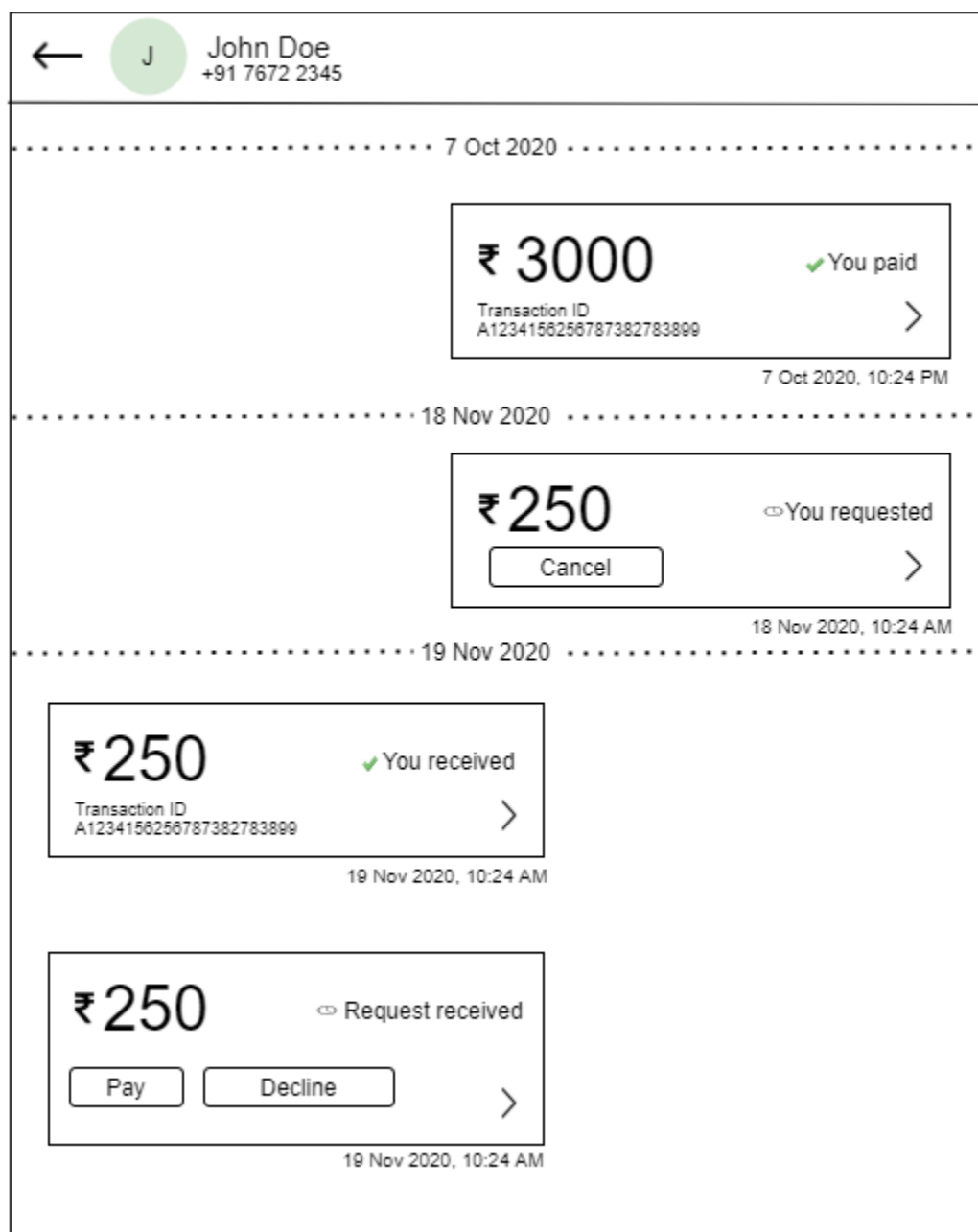


Figure 1 – Transaction History Screen

API Structure

Following is the API structure for executing the above functionality –

Transaction History

URL	https://dev.onebanc.ai/assignment.asmx/
Endpoint	GetTransactionHistory
Method	GET



Request

Parameter Name	Type	IsMandatory	Description	Sample Value
userId	Int	M	ID of the user	1
recipientId	Int	M	ID of the recipient	2

Response

Parameter Name	Type	IsMandatory	Description	Sample Value
userId	Int	M	ID of the user	1
transactions	JsonArray	M	Array of Transactions	NA
transaction	JsonObject	M	Transaction Object	NA
transactionId	Int	M	Transaction ID	1
transactionDate	Date	M	Date of the transaction	20-Feb-2021 18:00
expiryDate	Date	M	Expiry Date of the transaction	21-Feb-2021 18:00
amount	Float	M	Amount of Transaction	1000.0
description	String	O	Description of the Transaction	Rent
status	Enum	M	Status of the Transaction	1 – Pending 2 – Confirmed 3 – Expired 4 – Reject 5 – Cancel
type	Enum	M	Transaction Type	1 – Pay 2 – Collect
direction	Enum	M	Transaction Direction	1 – Sent 2 – Received
customerUpi	JsonObject	M	UPI Object of Customer	NA
customerVpayId	Int	M	UPI ID of Customer	1
customerVpay	String	M	UPI Address of Customer	abc@okhdfc
partnerUpi	JsonObject	M	UPI Object of Customer	NA
partnerVpayId	Int	M	UPI ID of Customer	2
partnerVpay	String	M	UPI Address of Customer	def@ybl