



-Final FinTech Project Presentation- Digital Wallet Integration System

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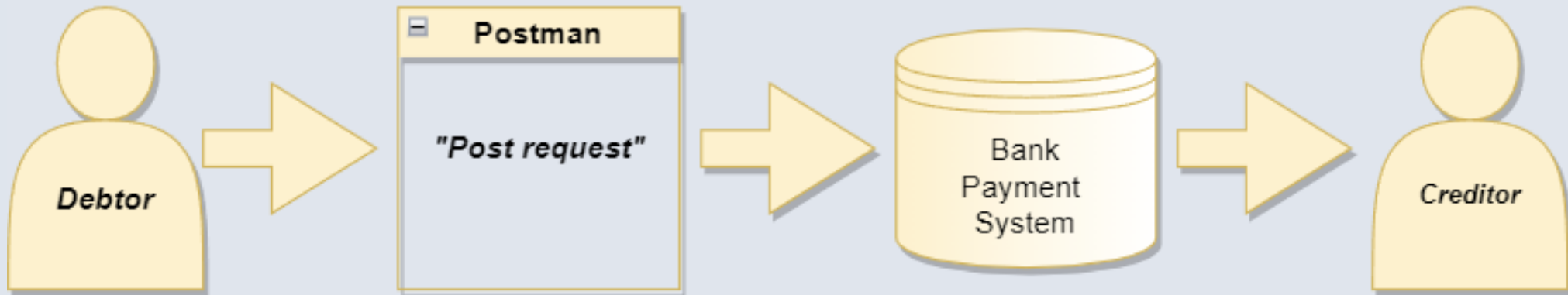
Scope

"The aim of this project is to add a digital e-wallet payment method to an existing simplified system of payments "

Payments by Card



E-Wallet payments



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Team Objectives

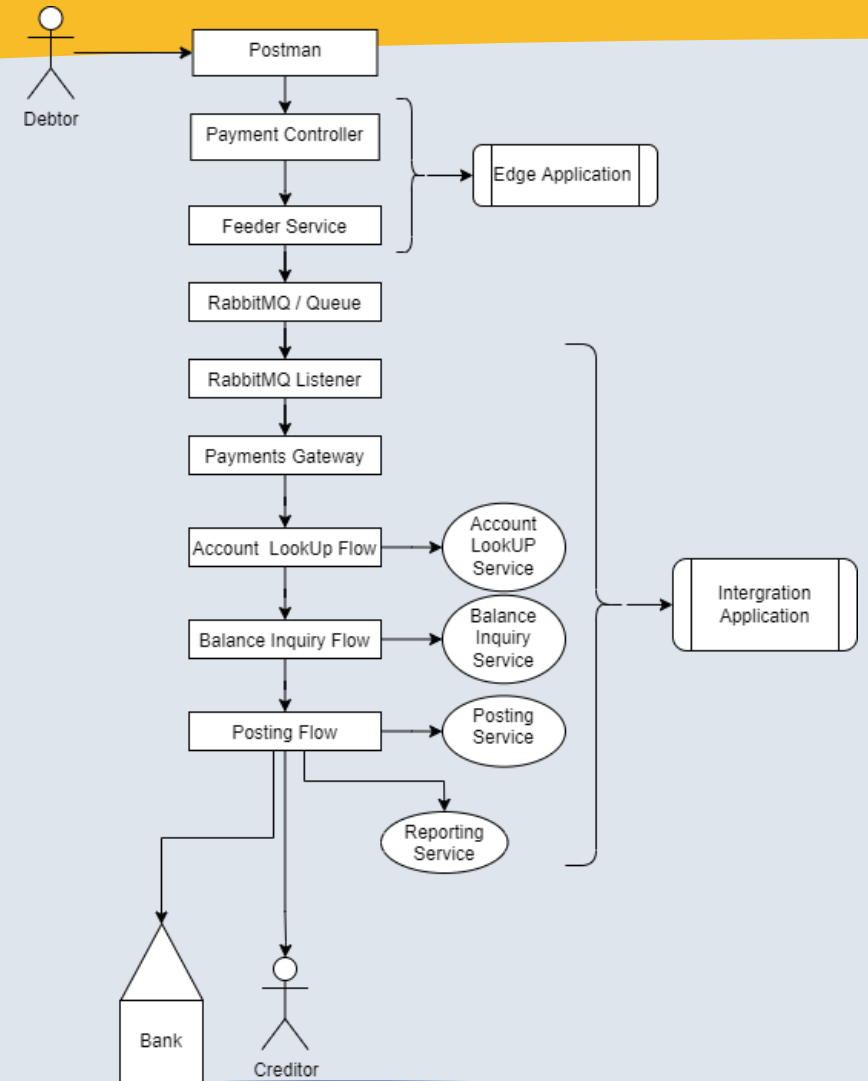
- ✓ Delivered fully functional system
- ✓ Handle all potential errors
- ✓ Avoid to affect existing system
- ✓ Perform all necessary validations



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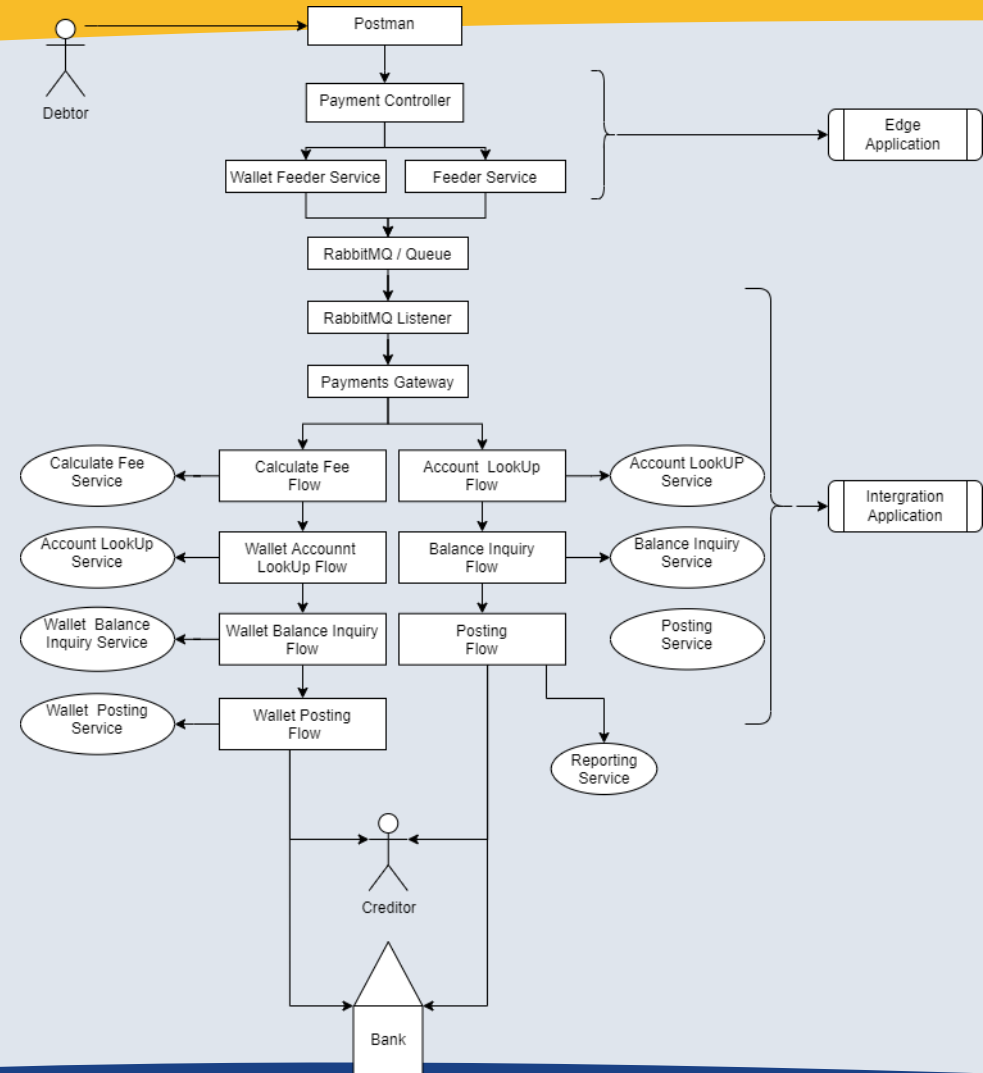
Current System Flow

- ❖ Debtor sends a post request with payload.
- ❖ Payment controller receives the post request.
- ❖ Feeder Service pushes the payload to the queue.
- ❖ RabbitMQ listener consumes the payload.
- ❖ Payments Gateway initiates the payment process.
- ❖ Account LookUp Flow validates Debtor & Creditor.
- ❖ Balance Inquiry Flow checks the transaction financially.
- ❖ Posting Flow performs the transaction.
- ❖ Creditor receives the payment amount.



Upgraded e-Wallet System Flow

- ❖ Debtor sends a post request with payload.
- ❖ Payment controller receives the post request.
- ❖ Wallet Feeder Service pushes the payload to the queue.
- ❖ RabbitMQ listener consumes the payload.
- ❖ Payments Gateway initiates the payment process.
- ❖ Calculate Fee Flow calculates fee amount.
- ❖ Wallet Account LookUp Flow validates Debtor & Creditor.
- ❖ Wallet Balance Inquiry Flow checks the transaction financially.
- ❖ Wallet Posting Flow performs the transaction.
- ❖ Creditor receives the e-Wallet payment amount.



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System Security

- ❖ *Basic Authentication method was used to secure the system from unauthorized access.*
- ❖ *Authentication succeeded by sending in the Post request's Header the credentials of the user.*
- ❖ *If the user exists and have the privileges to access the page, system authenticates them.*
- ❖ *If not, the system rejects the request.*



System in Action



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Power BI - Sales Financial Dashboard

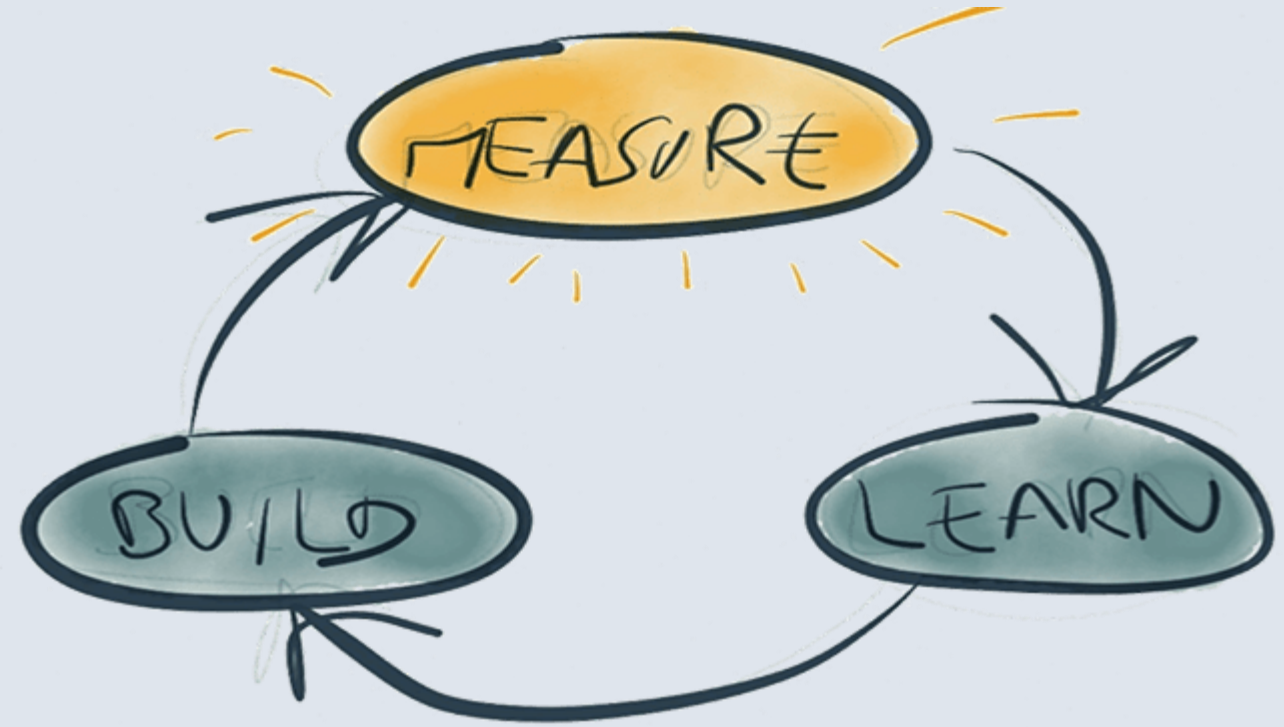
- ☐ *Create an interactive dashboard report for Monica Motors.*
- ☐ *Analyze given financial data of 2013 & 2014, such as profits and sales.*
- ☐ *Represent financial outcomes with Power BI visuals.*



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What We Learned

- *Spring Framework*
- *Payment's transaction procedure*
- *Power BI tool*
- *Teamwork*
- *Communication*
- *Collaboration*



The END

THANK YOU

GRACIAS
ARIGATO
SHUKURIA
JUSPAXAR
DANKSCHEEN
TASHAKKUR ATU
SUKSAMA
EKKHMET
BIYAN
SHUKRIA
TINGKI
YAHANYELAY
WADEEJA
MAITEKA
YUSPAGADATAM
HUI
UNALCHEESH
SPASIBO
DENKAUJA
HENACHALHYA
HATUR GU
SIKOMO
MAKETAI
MINMONCHAR
BOLZIN
MERCY
GOZAIMASHITA
EFCHARISTO
AGUYJE
FAKAAUE
KOMAPSUMNIDA
MAAKE
LAH
GAEJTHO
MERASTAWHY
TAVTAPUCH
MEDAWAGSE
BAIKA
SANKO
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MEHRBANI
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