



Online Transaction integrated Metro Rail Smart Card system

Presentation on Capstone project

presented by,

Target_Blank (5th Group)

Submitted by,

- Md. Nafees Ashker
ID: 19202103403
- Prionto Arefin Prio
ID: 19202103405
- Mushfiq Alam Sami
ID: 19202103420
- Md. Mamun Miah
ID: 19202103422
- Shahin Alam
ID: 19202103340



Submitted to,

Khan Md Hasib
Course Instructor
Assistant Professor
Department of CSE
BUBT

JULY 23th



Introduction

What it is?

- Metro rail online transaction system/ application enabled smart card system.
- Allows faster payments from any location.
- Reduced station entry traffic.
- Secure passenger data protection and fraud prevention.
- Account administration with balance monitoring and fare payment management.



Motivation

Why it is needed?

- Develop an Online Transaction system/ application.
- Implement smooth and precise online Recharge Functionality.
- Develop Card Balance and Transaction monitoring module.
- To ensure Security and Privacy of users' and passengers'.
- Integrate with Existing Metro Rail Infrastructure.



Objectives

What are the aims of the project?

- Develop an Online Transaction system/ application.
- Implement smooth and precise online Recharge Functionality.
- Develop Card Balance and Transaction monitoring module.
- To ensure Security and Privacy of users' and passengers'.
- Integrate with Existing Metro Rail Infrastructure.



Literature Reviews

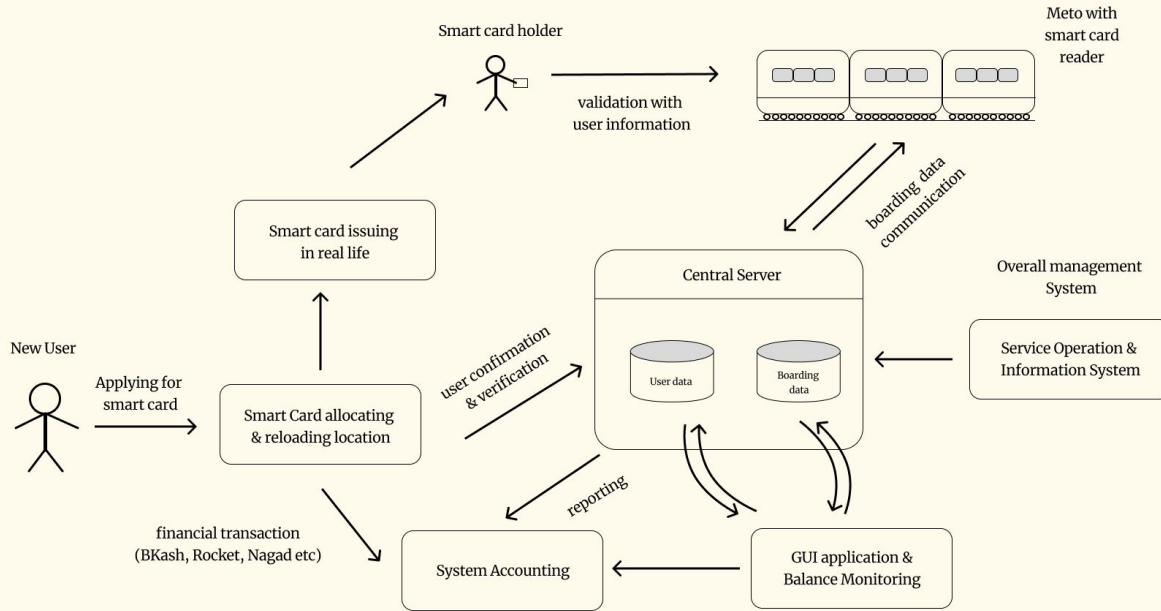
Backed by several literature reviews!

- Evolution of Smart Card Systems in Public Transportation.
- Benefits of Online Transaction Systems.
- User Adoption and Acceptance.
- Security and Data Privacy.

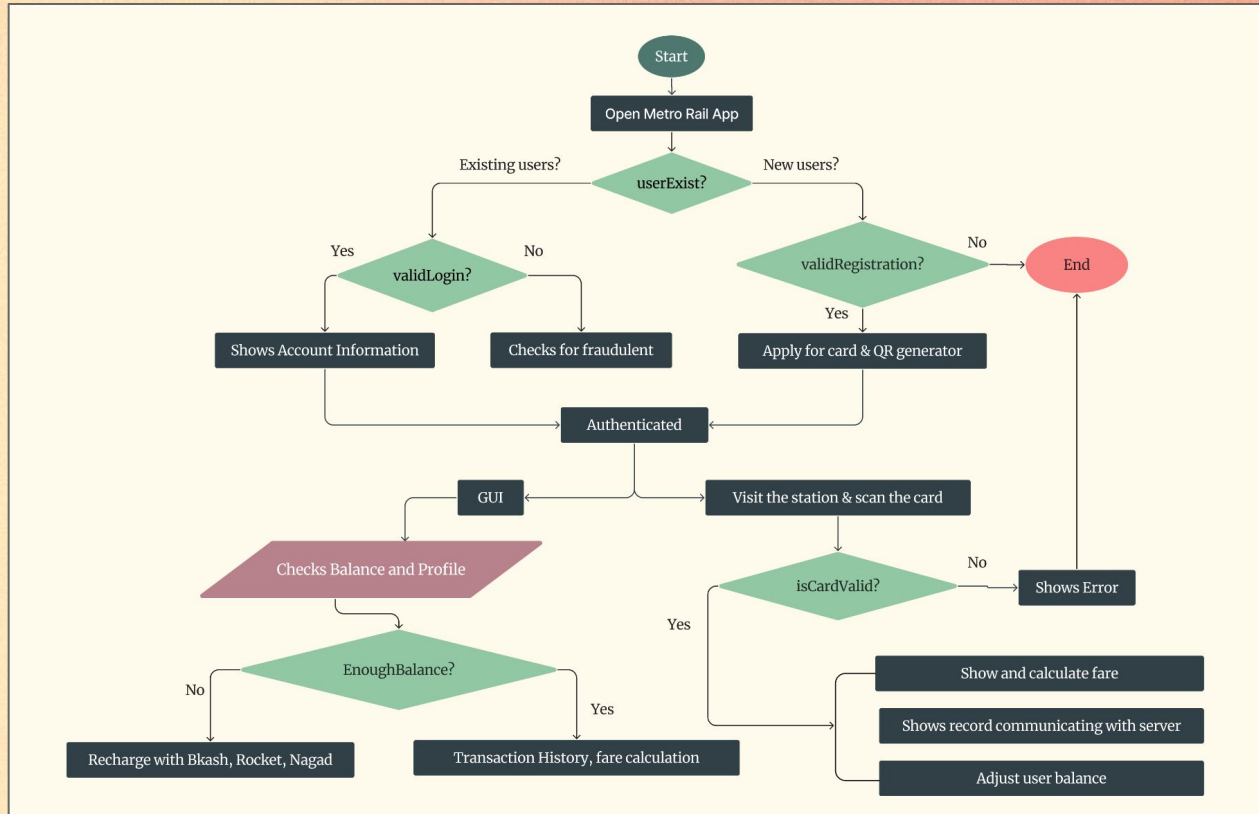




Proposed methodology



Flow Chart



Conclusion

- Smart card system literature reviews explore metro implementation, benefits and user satisfaction.
- Case studies analyze successful setups, contactless cards, security measures and user feedback.
- Integration potential with other transport and non-transport payment systems is studied.
- The review notes setup costs, compatibility issues, and future trends like technology advancements and mobile usage expansion.





CAPSTONE, '23



Thank You!



JULY 23th

