

SMART TRAVEL CARD




Our Team

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Abstract

- In India, we have different types of reservation for different categories of people.
- Similarly in public transport system we have student concession cards which are manually monitored by conductor.
- Our idea is to convert this student concession cards into smart cards which gives concession not only to students but to also people belonging to different categories like ex-military people, farmers, disabled ones etc.

Problem

- Our society is composed different types of people like farmers,disabled ones,ex-military and military persons ,students etc.
 - These people are undoubtedly eligible for a reduction in travel payments while using the public transport.
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Existing System

- Currently we have only student concession cards which are paper made ones which have to be manually monitored by an authorized person.
- Moreover there is no reduction in travel fee for a farmer, disabled person, ex-military person etc.

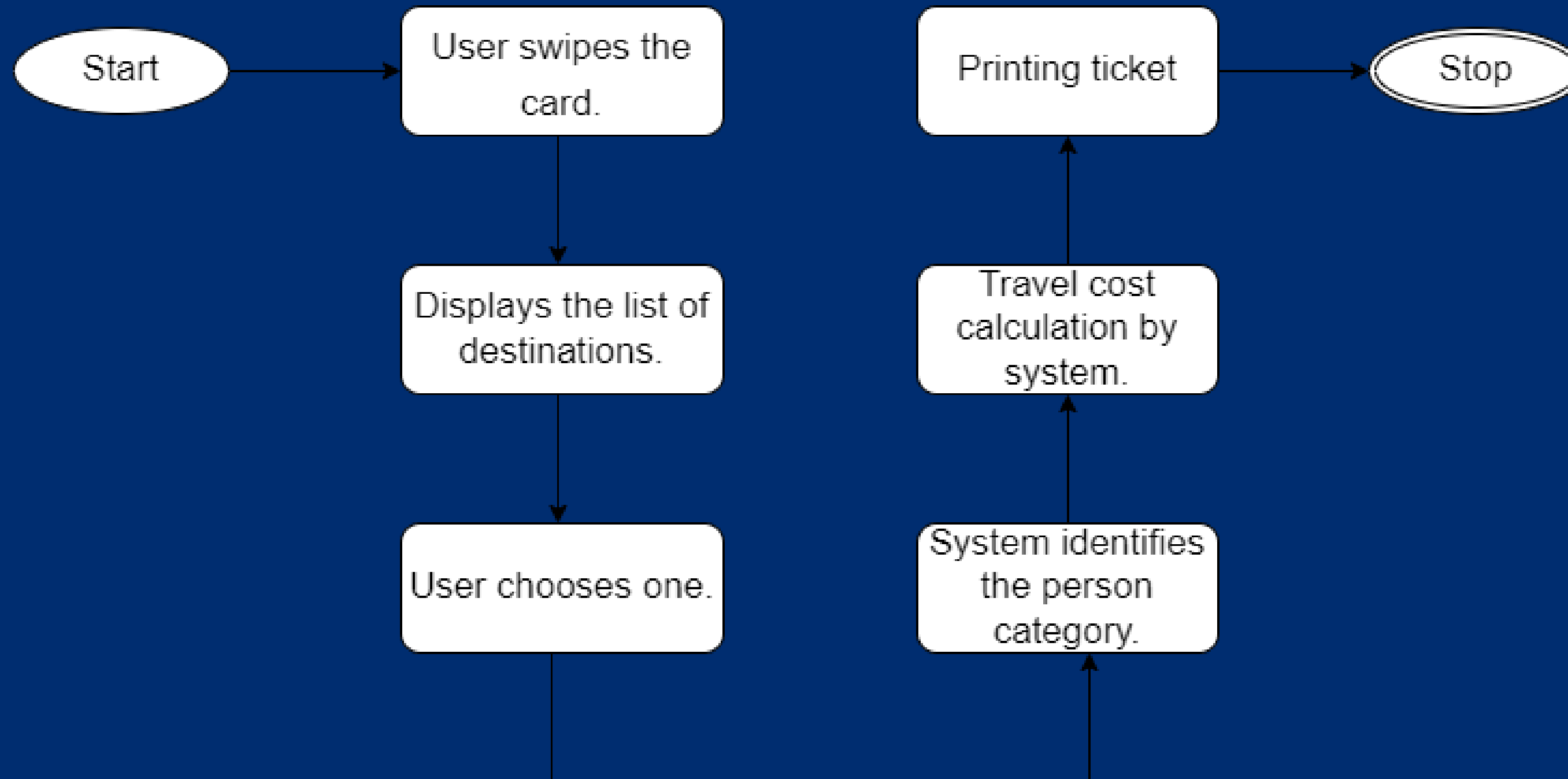
Our Proposed System

- We are proposing a smart travel card which can be used by categories of people.
- All the public transport vehicles will be having a digital interface and a person entering into it have to swipe the card.
- On swiping, a list of destinations will be displayed from which the person has to choose one.

Our Proposed System

- The system will identify to which category the person belongs to.
- It then calculates the travel cost where in the discount information will be already stored in the system.
- Finally the ticket will be printed which can be collected by the user.

Flow Diagram



Modules

01

Front end

Developed using HTML,CSS and javascript.

02

Backend

Developed using python.

Advantages

- Travelling makes lighter for people since they neednot carry money changes in the form of coins or lower denominations.
- Unfair amount cannot be collected from travellers after the end of a trip.

Disadvantages

- It takes time for the commoners to understand and use this facility if provided.
- The initial acceptance to such a system from people will be low.

Future Scope

- The system can be extended to autorickshaws,taxis etc.
- The card recharging machines can be installed near public places so that people can easily handle the card.

Conclusion

A smart travelling system card was proposed which can benefit to different categories of people in a society.

It was a great experience for us to work in this team assigned by IBM. We sincerely thank our mentors for properly guiding us and constantly encouraging us throughout the program. We also thank IBM for giving us this opportunity.



Thank You All