Project
MetroMate

Submitted by:

Sazid Ahmmed Rahi(2201005)

Suwaybid Ahmmed Muaz(2201020)

Abir kumar Dey(2201023)

Submitted to:

Sumon Saha,

Lecturer,

Bangabandhu Seikh Mujibur Rahman Digital University

PROJECT PROPOSAL ON : METRO-MATE

INTRODUCTION

The MetroMate is a simple system designed to make metro travel easier in the Dhaka CIty, Metro Rail is a mass rapid transit system serving in Dhaka. In light of the expanding Metro Rail system, there is a pressing need for an integrated solution that simplifies ticketing, route planning, and travel information dissemination for commuters.

PROBLEM STATEMENT:

People sometimes face problems while booking tickets, choosing the shortest path to the destination, getting information like, how far is the destination is or how to move there, ticket price, timing of metro, how much time it would take to reach the destination etc. In this project we will try to provide an system that will make it easier for the user to get the desired information and do the stuffs without any hesitation.

OBJECTIVES:

Main goal of this project is to simplify the process for the user to book tickets and other accessiblities to travel by metro. User will get a friendly interface where there will be options like, route plannar, ticket price etc. which will be organized properly. Using this application user's metro journey will be more more comfortable and less problematic when they could know the approximate required time to reach the destination and book tickets by just few clicks. User will not have to stand in a line for hours to book tickets.

FEATURES:

a)User profile: Each user will hold his user profile by which he can use or access to other features.

b)Effective route suggesting:System can offer user the shortest route based on users current station and destination station.

c)Automated ticket booking:Ticket can be booked in online in advance also.

d)Fare calculation: Based on departure and destination station,system can calculate and show the estimated price of the ticket .

e)Metro schedule details seeking: Based on user's location , system can show how much time it could take to come next train/station.

LIMITATIONS:

a)Live tracking won't be available.As tracking system will use saved data instead of GPS to calculate train's location, there are possibilities that it could be near to accurate or even inaccurate in real life scenario.

b)Different payment systems won't be included here .

CONCLUSION:

This project is intended to simplify metro travel for commuters by providing a convenient and sustainable but user friendly system for ticket ,fare and route planning.

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