



INTERNATIONAL ISLAMIC UNIVERSITY CHITTAGONG

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BUS RESERVATION SYSTEM

SUPERVISOR

Muhammad Nazmul Arefin

**Assistant Professor
Dept. of CSE, IIUC.**

Team Name

Backend

Aftakil Hossain Fahim

ID:C231034

Jillur Rahman Riyad

ID:C231019

Mainul Islam Mahim

ID:C231036

PROJECT OBJECTIVE

Main objective of this bus Reservation system project is to build a secured and dynamic solution for bus management . Another academic objective of this project is to practice and implement OOP features using QT Designer.

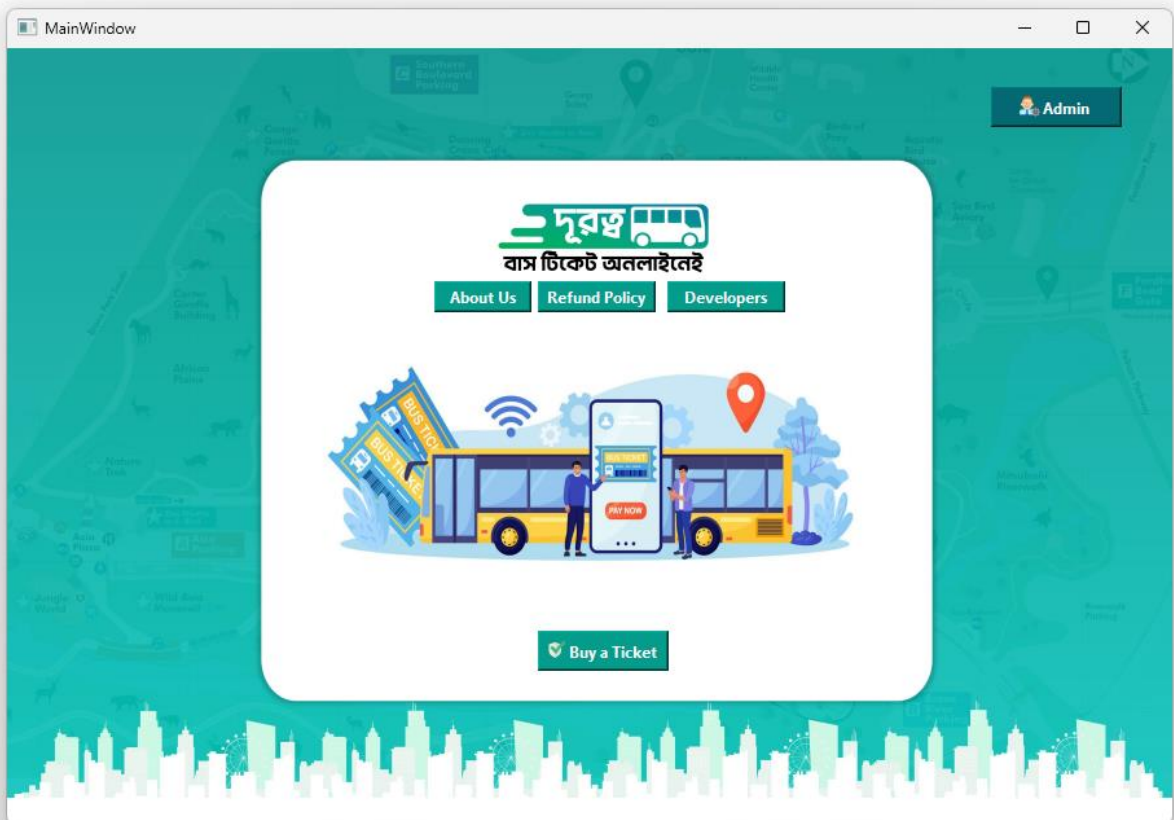
PROJECT FEATURES

- ✓ Efficient Bus Reservation Process.
- ✓ Real-Time Availability and Updates.
- ✓ Refund System and Policy.
- ✓ User Account Management.
- ✓ Analytics and Reporting.

PROJECT TOOLS



HOME PAGE



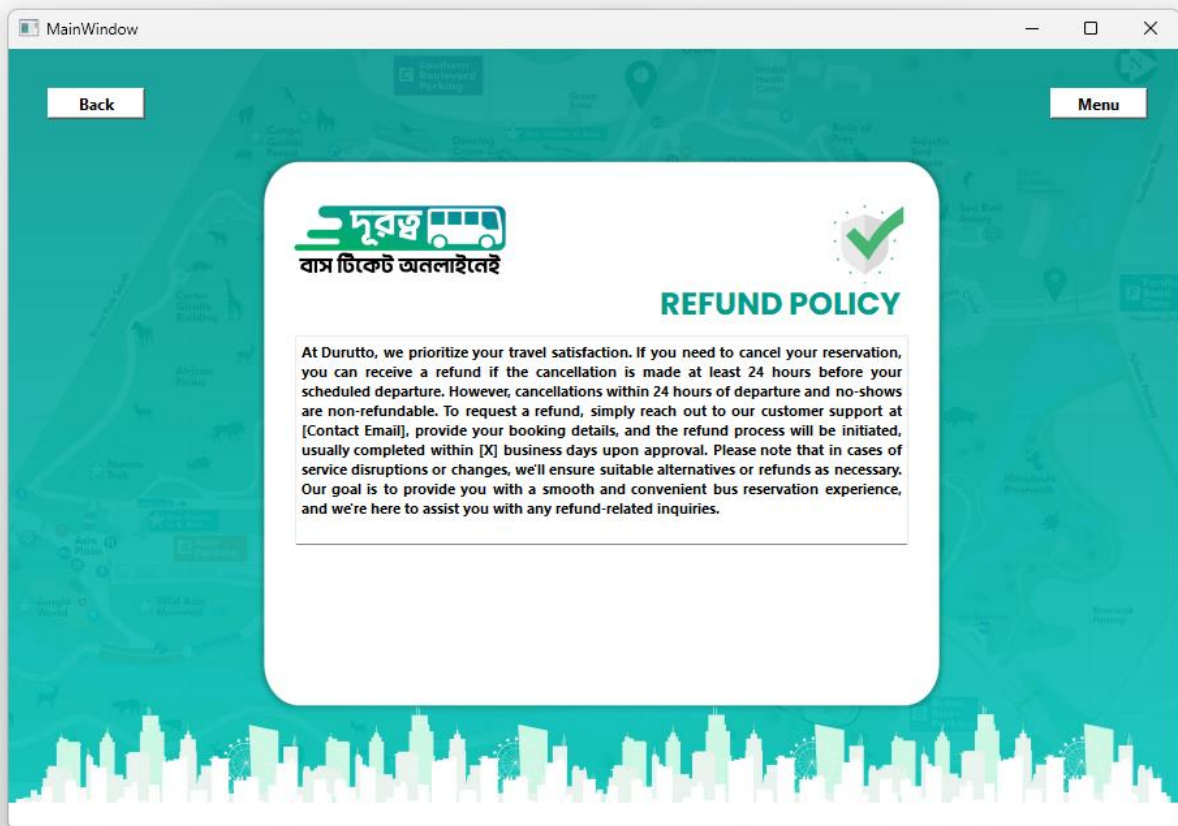
- ✓ This is the Home page of the system
- ✓ There are some basic options named About Us, Refund Policy, Developers in the top .
- ✓ In the bottom bar there is the main button to enter the reservation system.
- ✓ In the Top Corner there is an Admin button to control the system.

ABOUT US



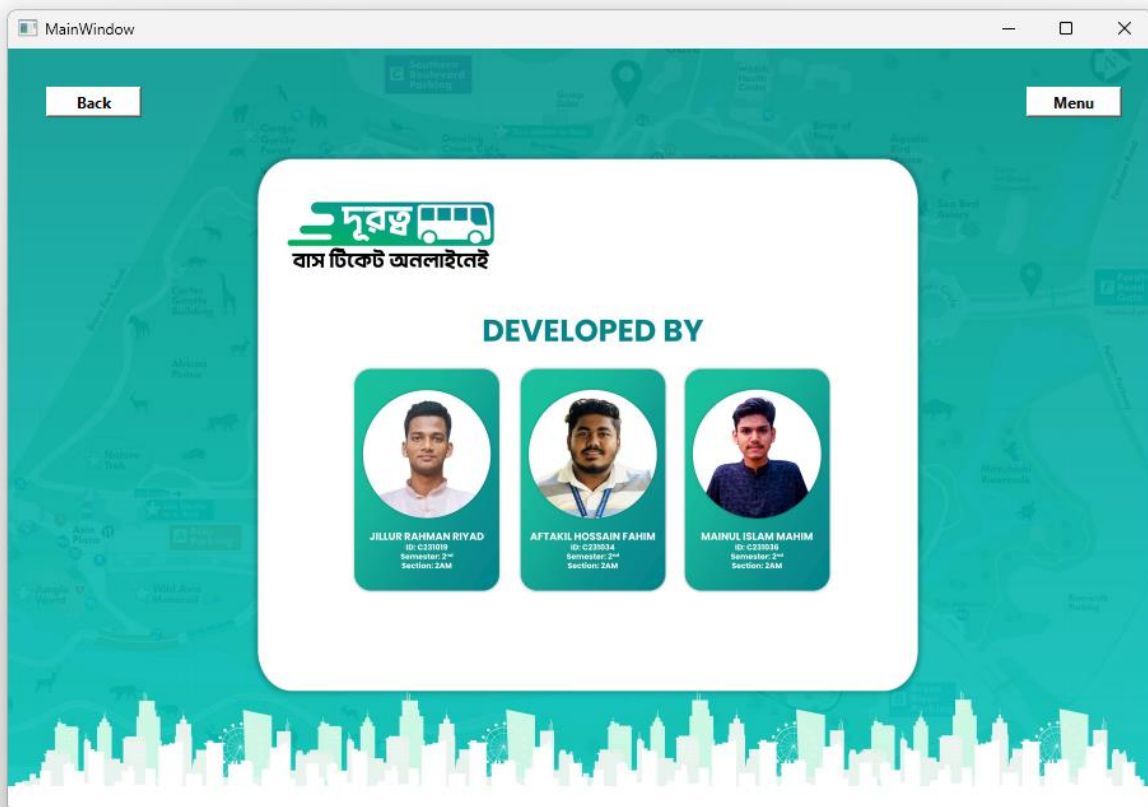
- ✓ In About Us section, You will get full details about the bus reservation system owned company .

Refund Policy



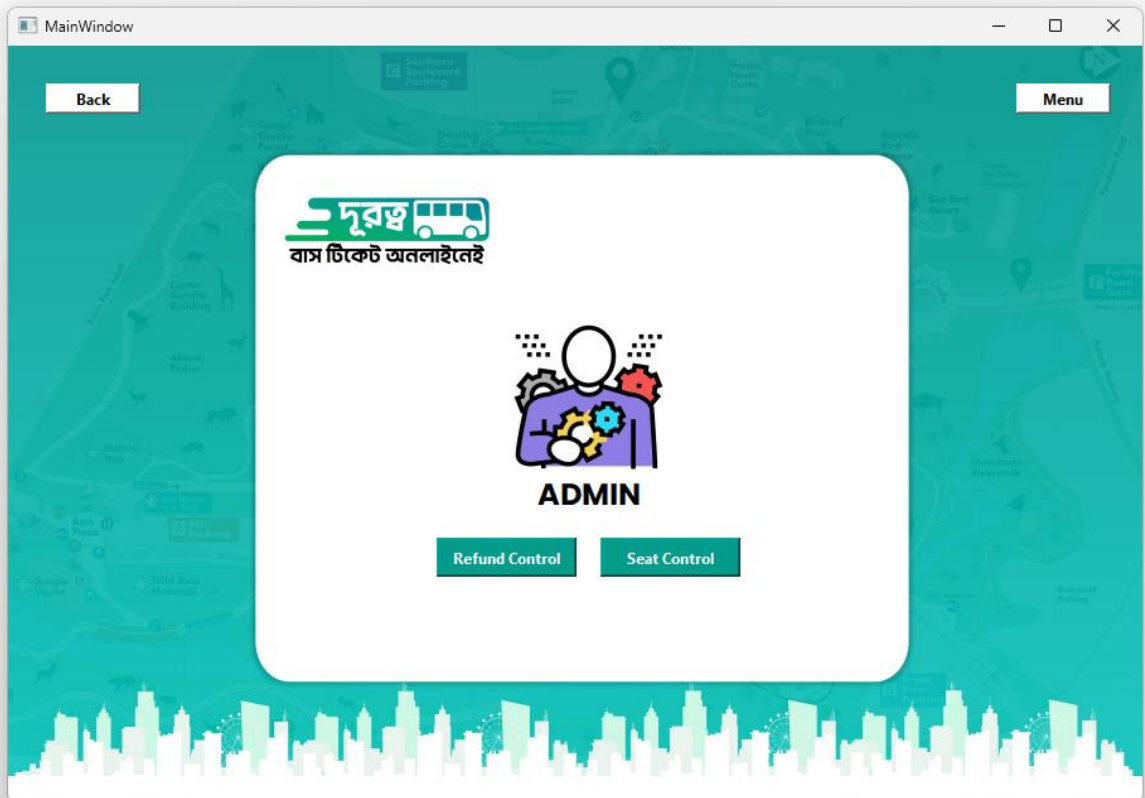
- ✓ In Refund Policy section, You will get full details about the refund policy of the company .

Developers



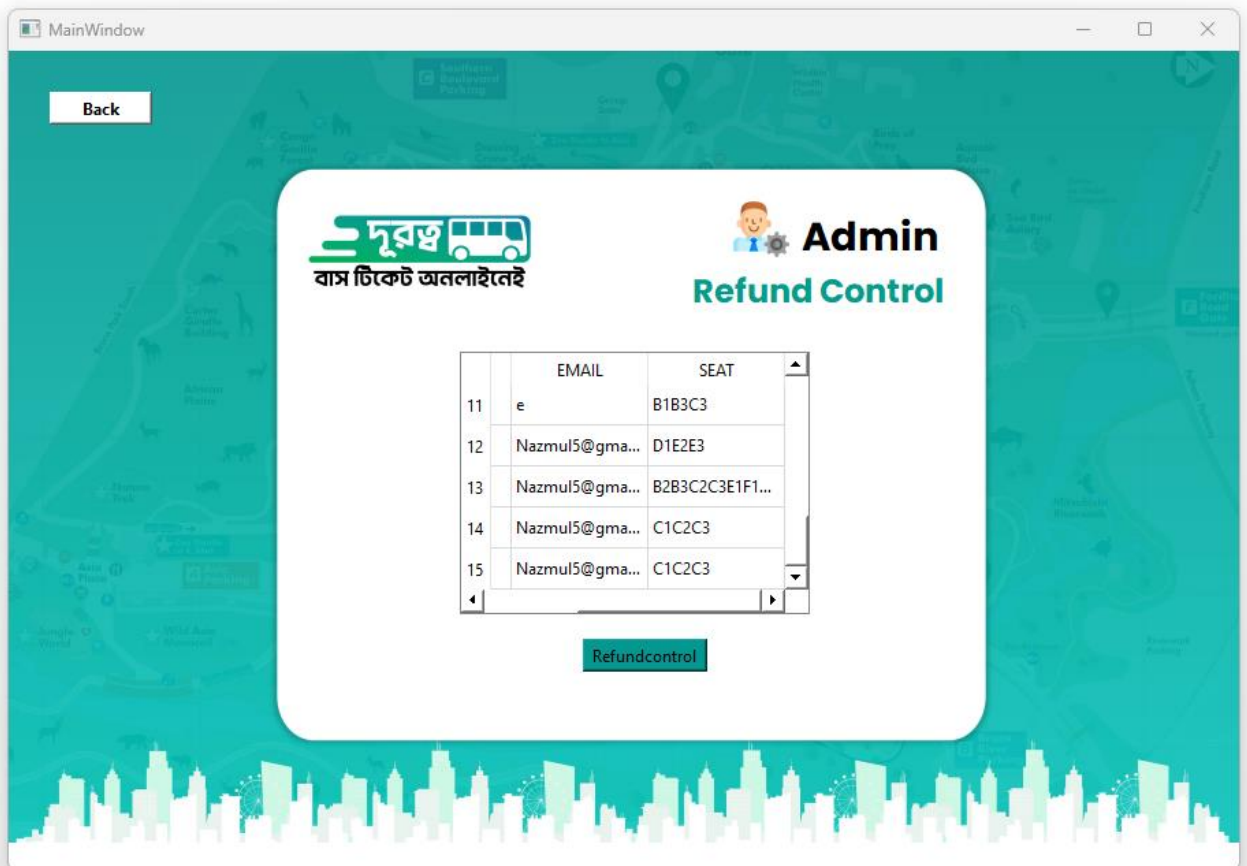
- ✓ In Refund Developer section , You will get full details about the developers of the system.

Admin



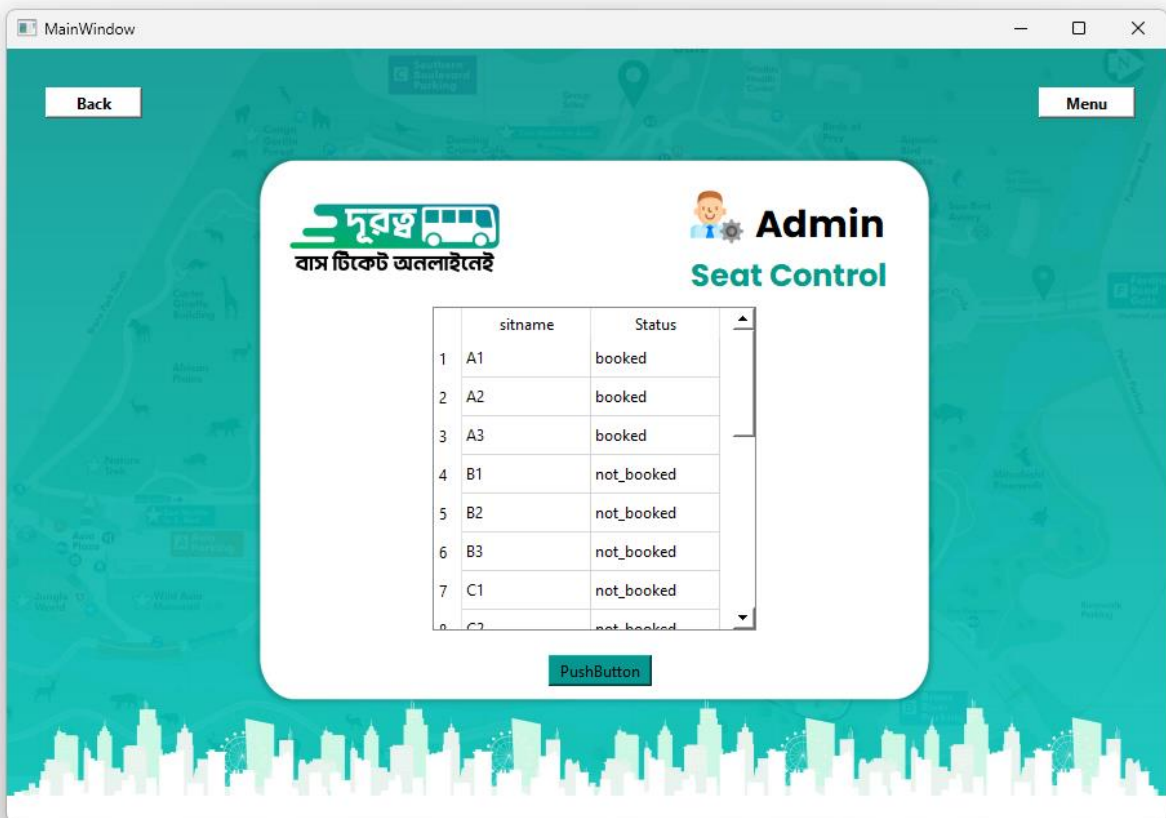
- ✓ In Admin Button , You will get full Access of the system and can see the booked seats and refund application list.

Admin Refund



- ✓ In Admin Refund Control , You will get full Access of refund application list.

Admin Seats



- ✓ In Admin Seat Control , You will get full Access of Booked and Non Bookd seat list. Basically its coming from Database.

Sign Up

MainWindow

Back Menu

দূরত্ব
বাস টিকেট অনলাইনেই

SIGN UP

Name
Fahim

Email
f@gmail.com

Phone
01822823007

Password
janina

Log In Sign Up

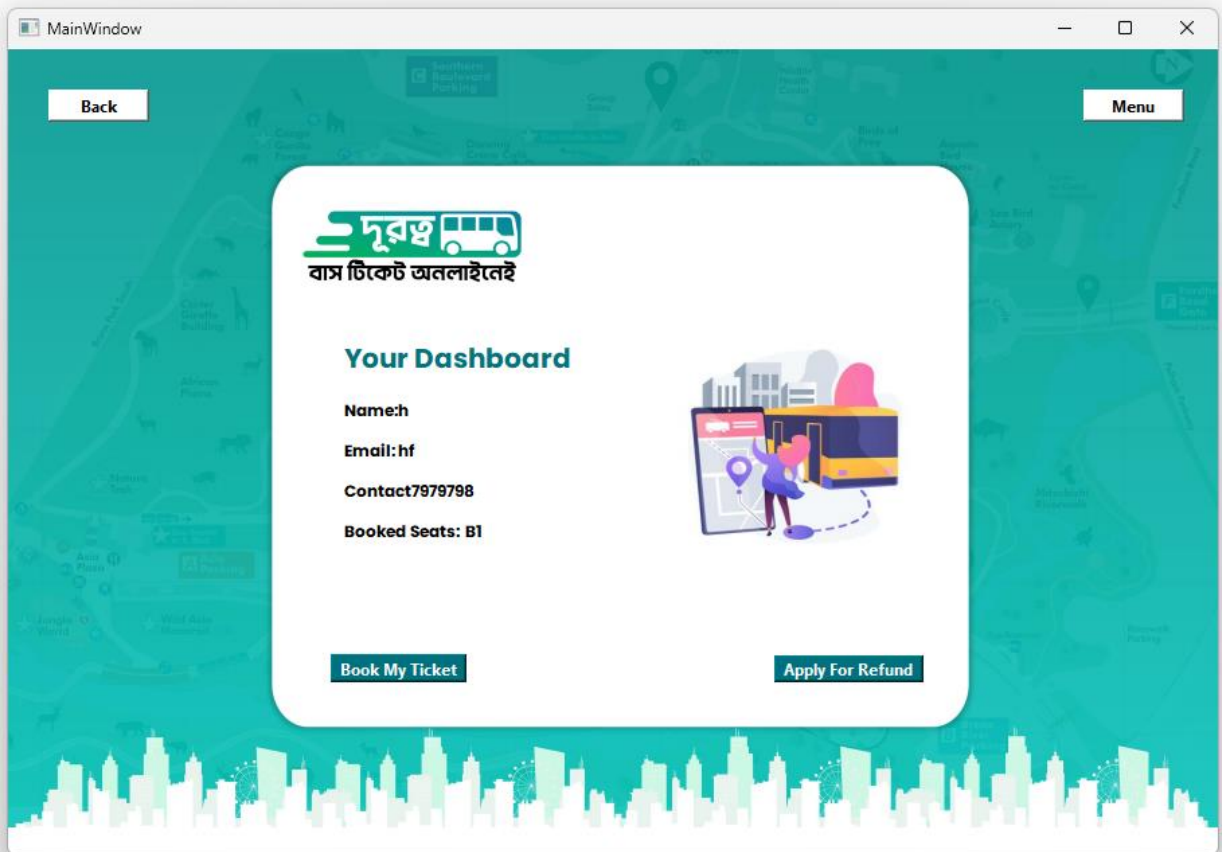
- ✓ In the bottom bar there is the main button to enter the reservation system. After pressing in book my ticket button you can get the sign up page.
- ✓ As a New user you can sign up to our system by giving the Name, Email, Phone and setting a password.
- ✓ Then after sign up button pressed you will go to the sign in page.

Sign In



- ✓ There is a secured Email and Password based Sign in system and it allows the users to sign in and use the features.

User Dashboard



- ✓ After Sign in to the system you will land on the dashboard section you will see your mail ,contact and previously booked seats.

Plan Your Tour

MainWindow

Back Menu

দূরত্ব
বাস টিকেট অনলাইনেই

PLAN YOUR TOUR

From
Ctg

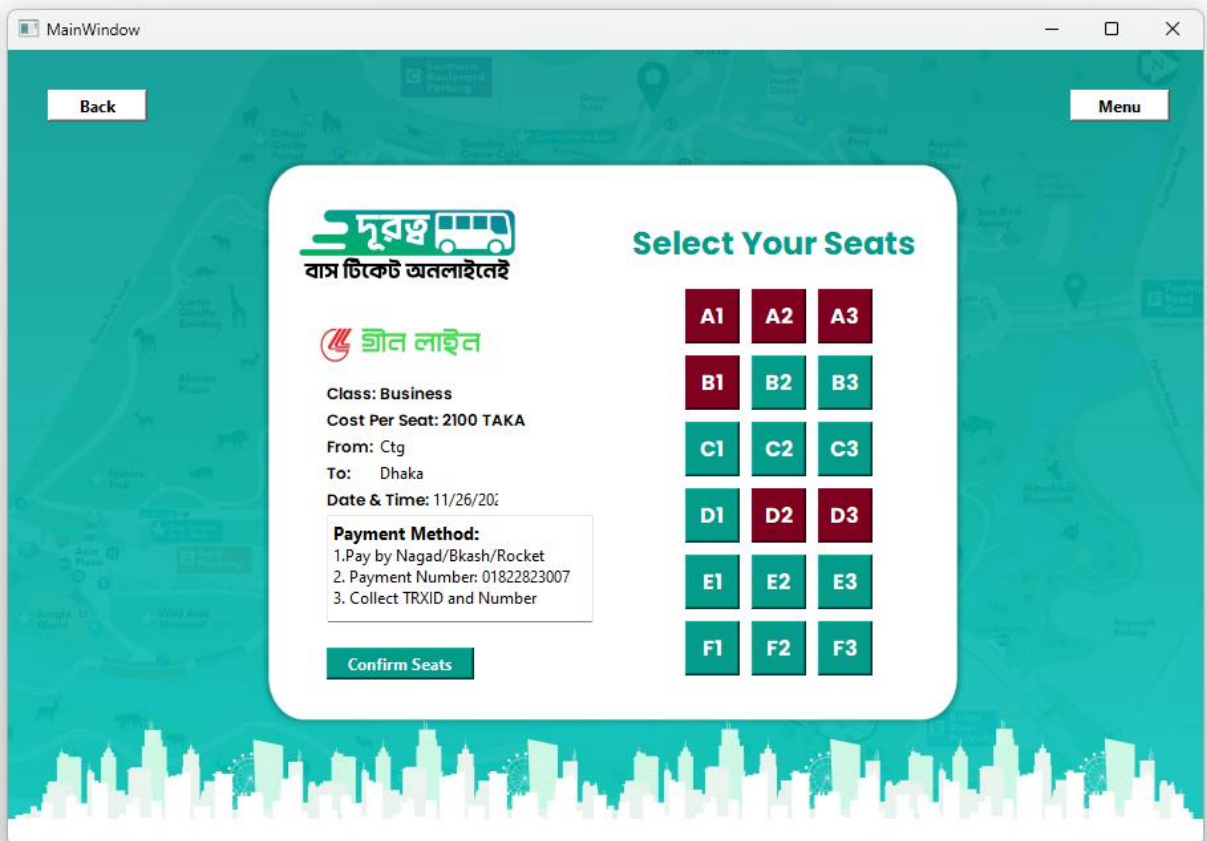
To
Dhaka

Date & Time
11/26/2023

Check Availability

- ✓ After clicking Book my Ticket option system will take you to a plan your tour page and you will select location , destination and date. Then Click the Check Availability Option.

Seat Selection



- ✓ After clicking Check Availability button , system will take you to the bus seats orientation and you will see your journey details in the left side and payment method are explained there.
- ✓ You can select your seats and it will be red color after selecting.
- ✓ Then Confirm Seats.

Payment Confirmation

MainWindow

Back Menu

দূরত্ব
বাস টিকেট অনলাইনেই

Payment

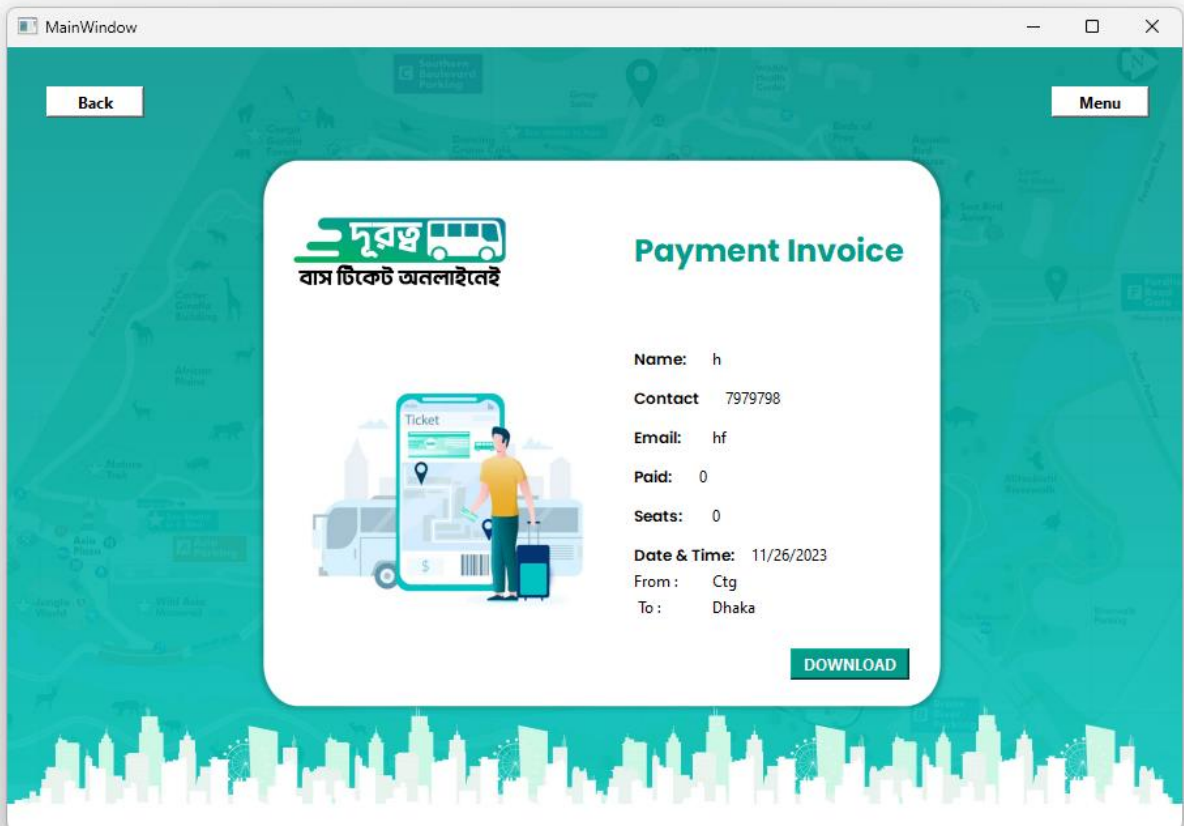
Number
01822823007

TRXID
1

SUBMIT

- ✓ Now you have to fill the payment confirmation details that you already paid. If the TRXID is matched with our database you will be redirected to invoice page, if not it will show error message.
- ✓ Press submit button to confirm.

Invoice




- ✓ If you confirmed the payment you will land here and it shows the summary of the bookings and it is your online ticket.
- ✓ By pressing download button you can really download the invoice as pdf format.


Apply for Refund

MainWindow

Back Menu

 **দূরত্ব**
বাস টিকেট অনলাইনেই

Apply For Refund



Journey Date

Applying Date

Refund Number

Submit

- ✓ In User Dashboard you will get the option of Apply for refund and by clicking there you will land here.
- ✓ Fill up the details and you will get a confirmation message.
- ✓ Now admin will Check and refund your money.
- ✓ All the seats you booked will be available from that time.

Contribution



**Frontend &
Logic Development**



**Backend
& Database**



**Backend
& Database**