AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)

FACULTY OF SCIENCE & TECHNOLOGY

Object Oriented Programming 2

Fall 2023-2024

Section: L

Project Name

Bus Management System (Vovo)

Supervised By

Jahid Hassan

Submitted By

Name	ID	Contribution
1. Basharul Alam Mazu	22-47903-2	Admin
2. Shraboni Biswas Naboni	22-47701-2	Customer
3. Md. Tanjim Rahman	22-47647-2	Employee

Date of Submission: **31st December, 2023**

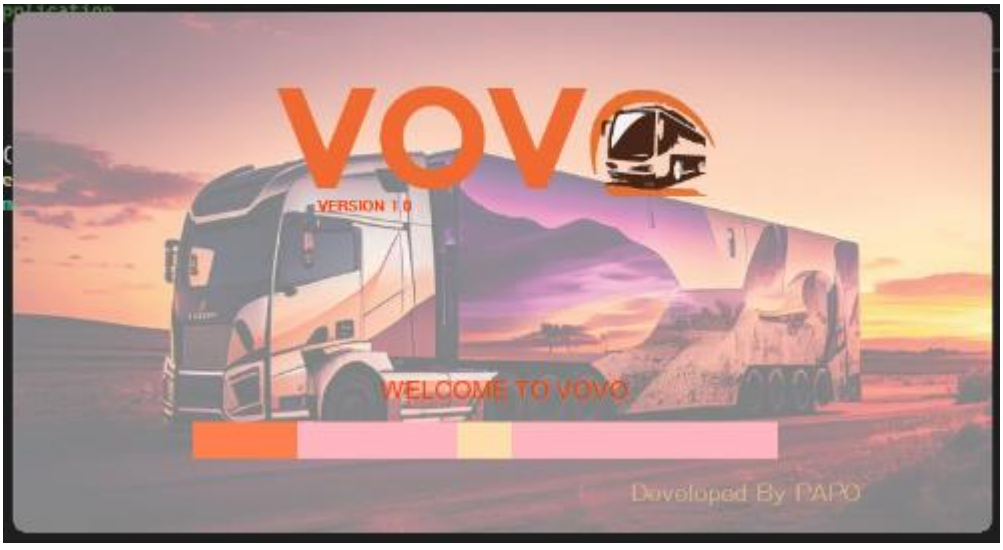
User Scenario

Vovo- The project is about a Bus management system. In this Bus management system, There are three types of users: admin, employee, and customer. User type has user information. User type consists of ID and type. User information includes ID, name, email, address, phone number, gender, nationality, date of birth. A user type can have multiple users. A user can have only one user type. User Info‘s are collected by an employee. Employee includes ID, name, and joining date. There are different types of functional categories. Each category is divided into various subcategories such as driver, conductor, and supervisors. Every subcategory includes ID, name, and their own unique attributes.

Employees can handle some categories and subcategories. A subcategory can have one or many functionalities. Employees can manage routes, boarding points purchase tickets. A customer can create, edit, update their profile and also verify their phone number and email with functional benefits. Admin can handle further categories and subcategories as well as recruit and manage every category of employees along with the customers.

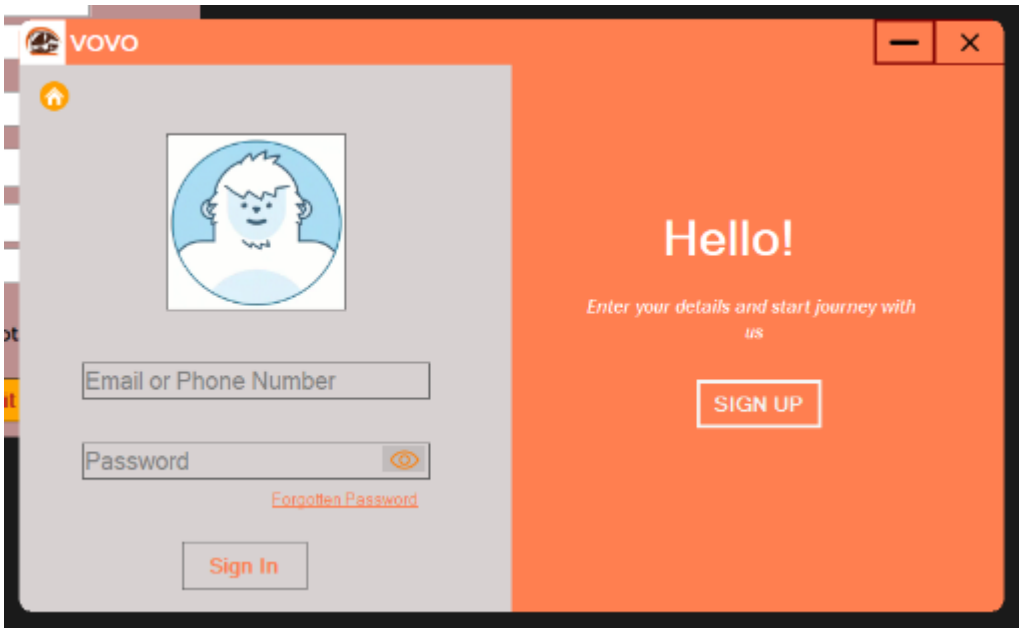
Form Images

Loading form:

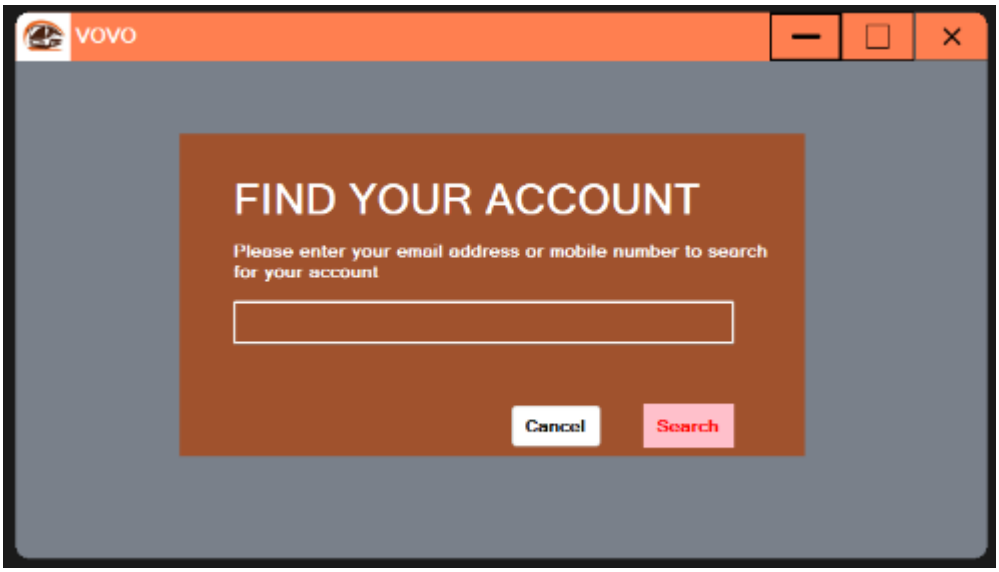


Home form:

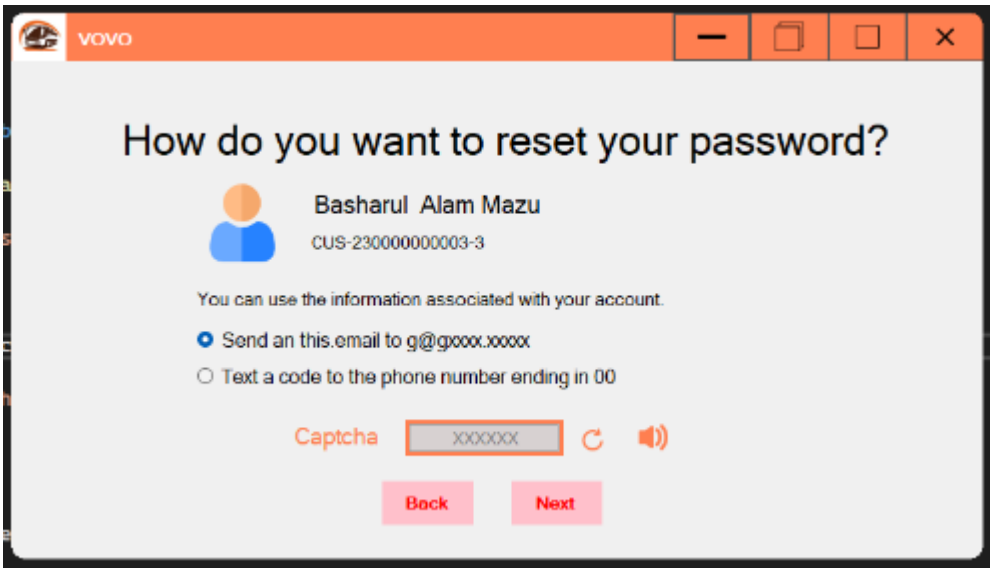
Customer Sign in form:



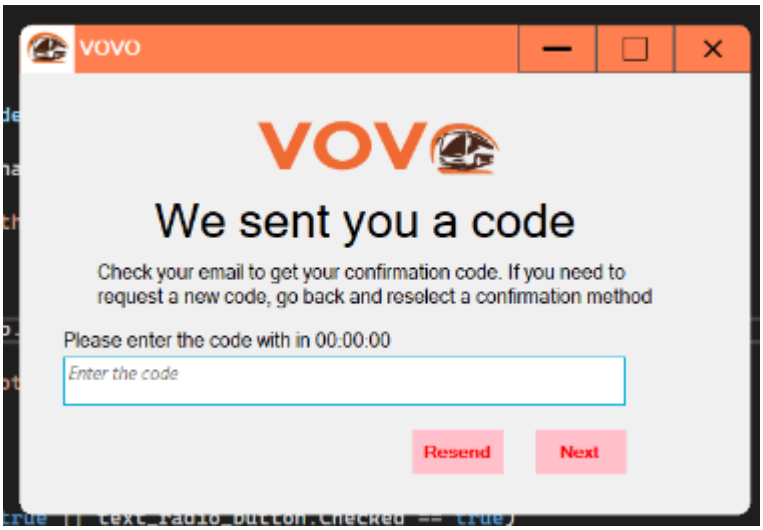
Customer forgot password form:



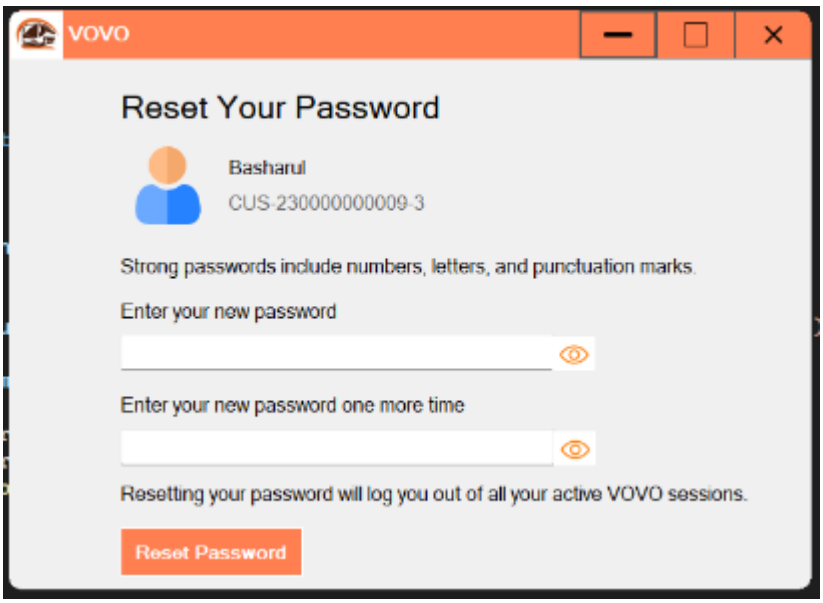
Customer resend verification for password:



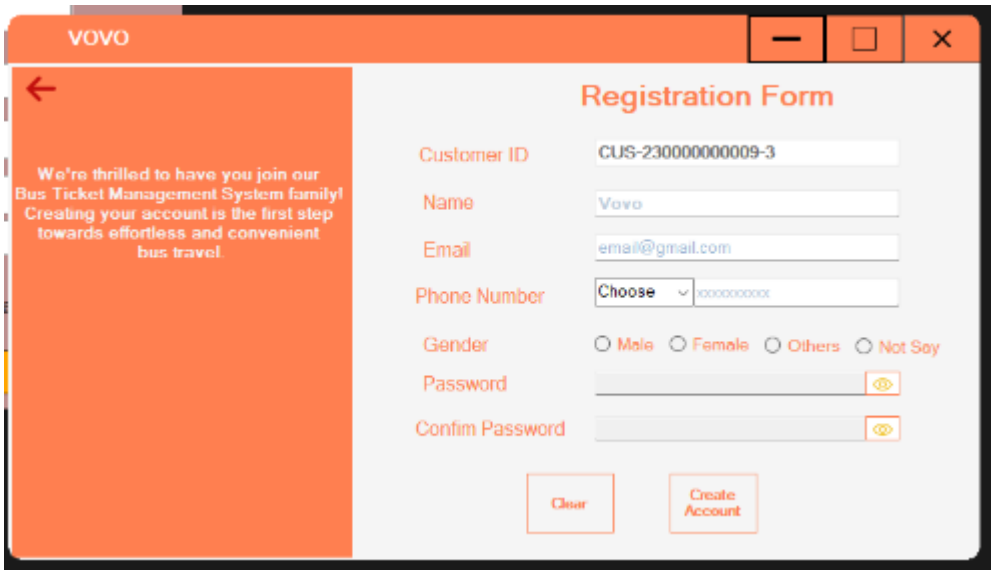
Customer verification OTP for password:



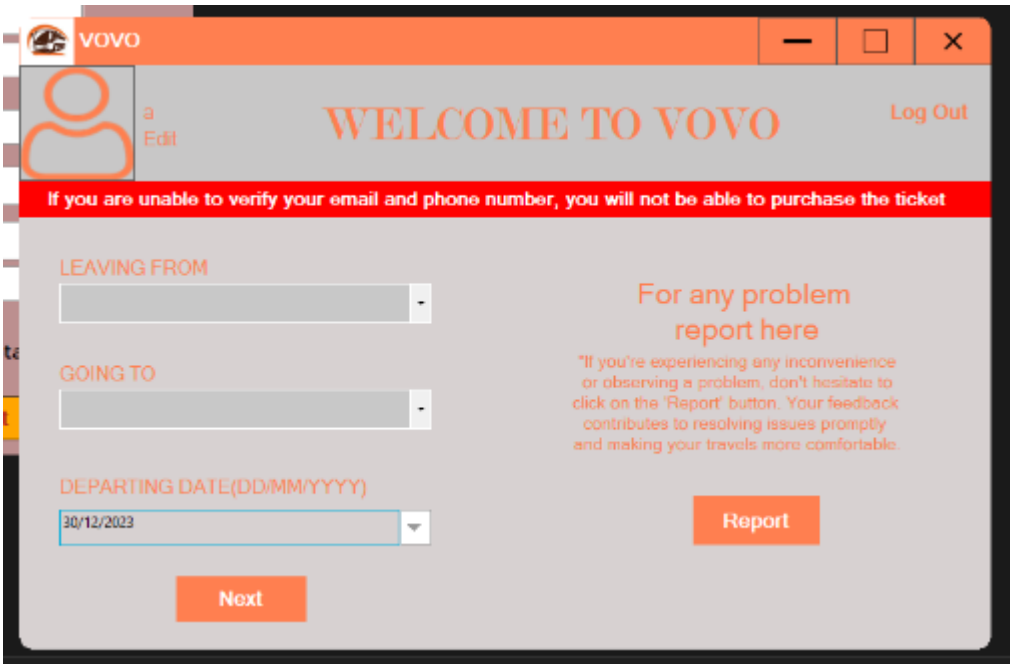
Customer Reset password form:



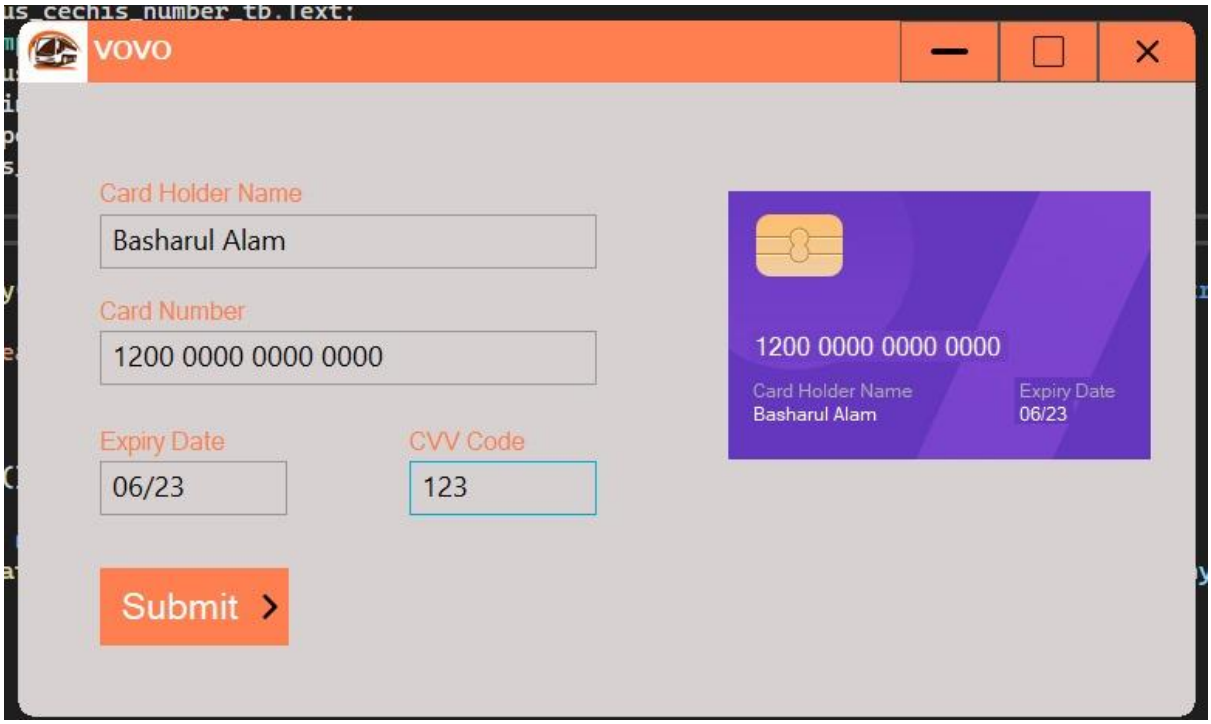
Customer Sign up from:



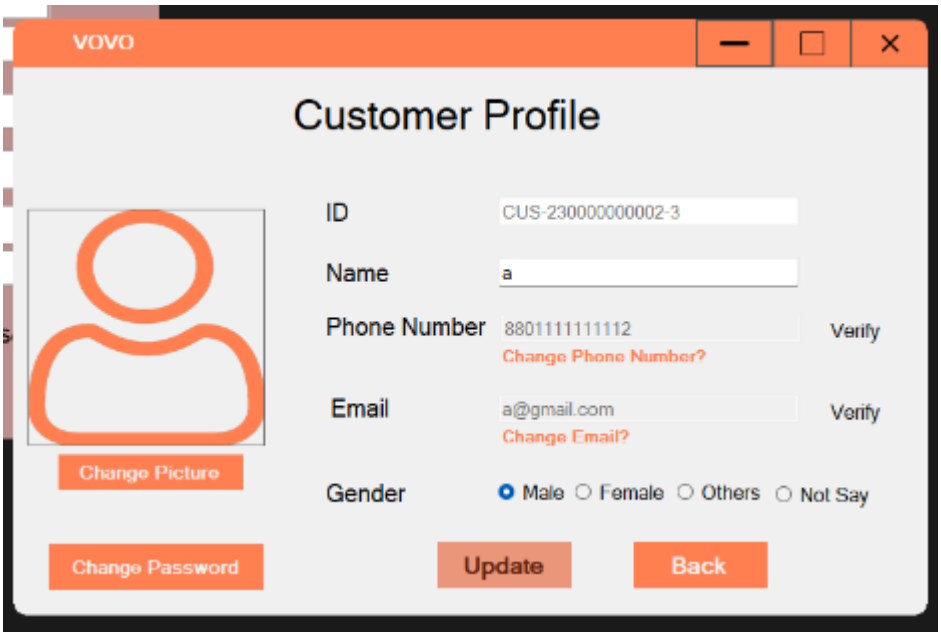
Customer Dashboard form:



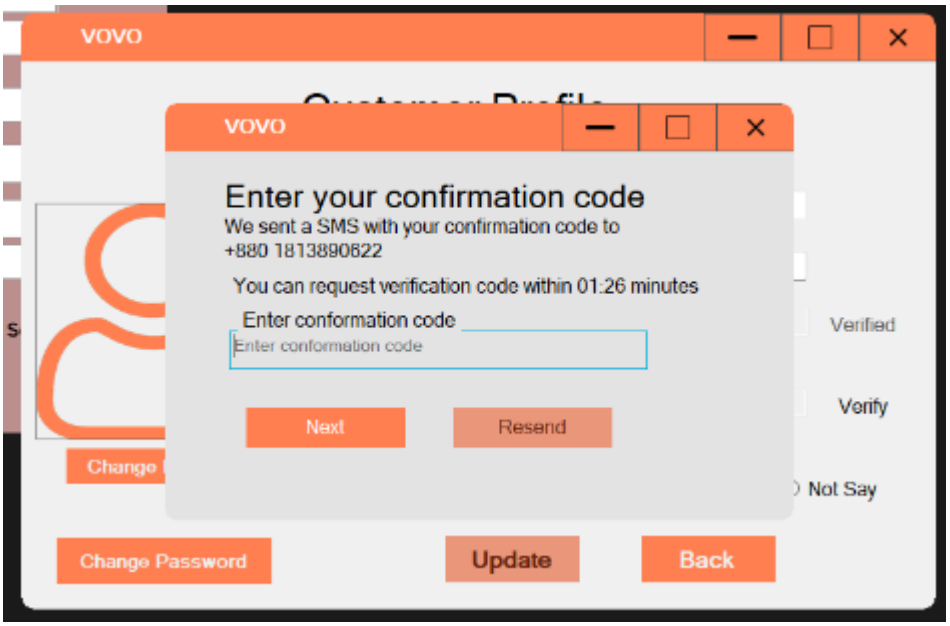
Customer Updating their card info:



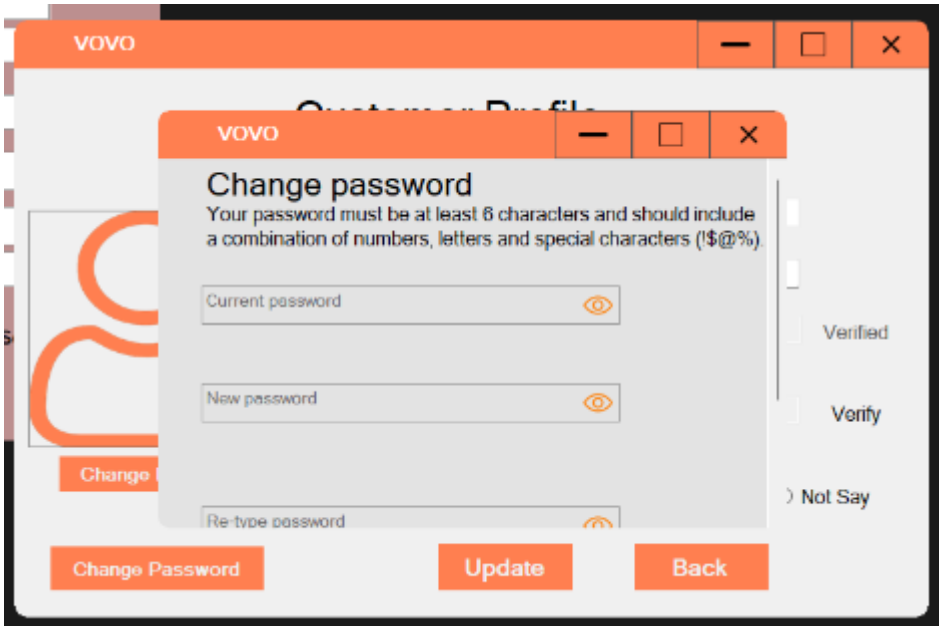
Customer profile update form:



Customer verifying contact information:

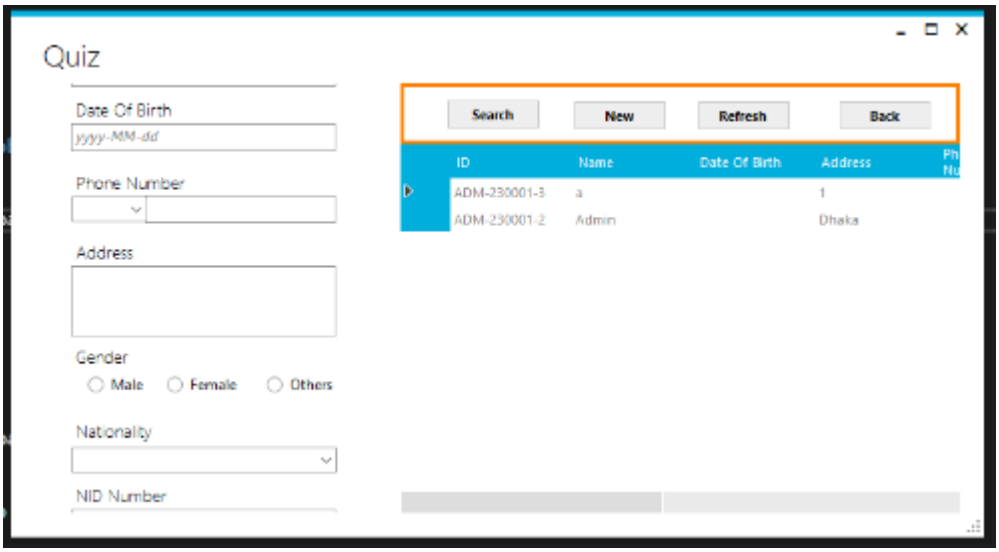


Customer change password:

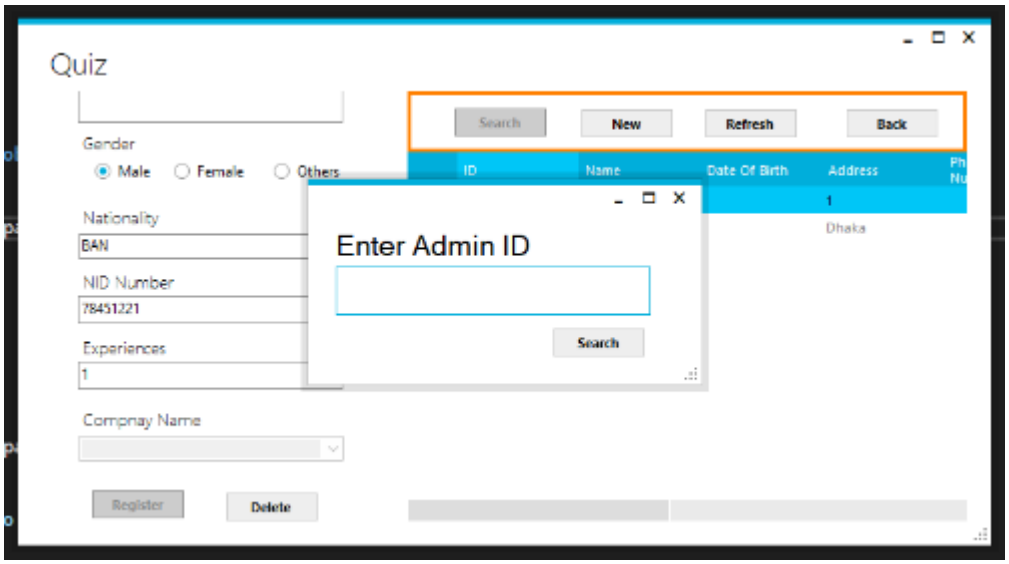


Employee login form:

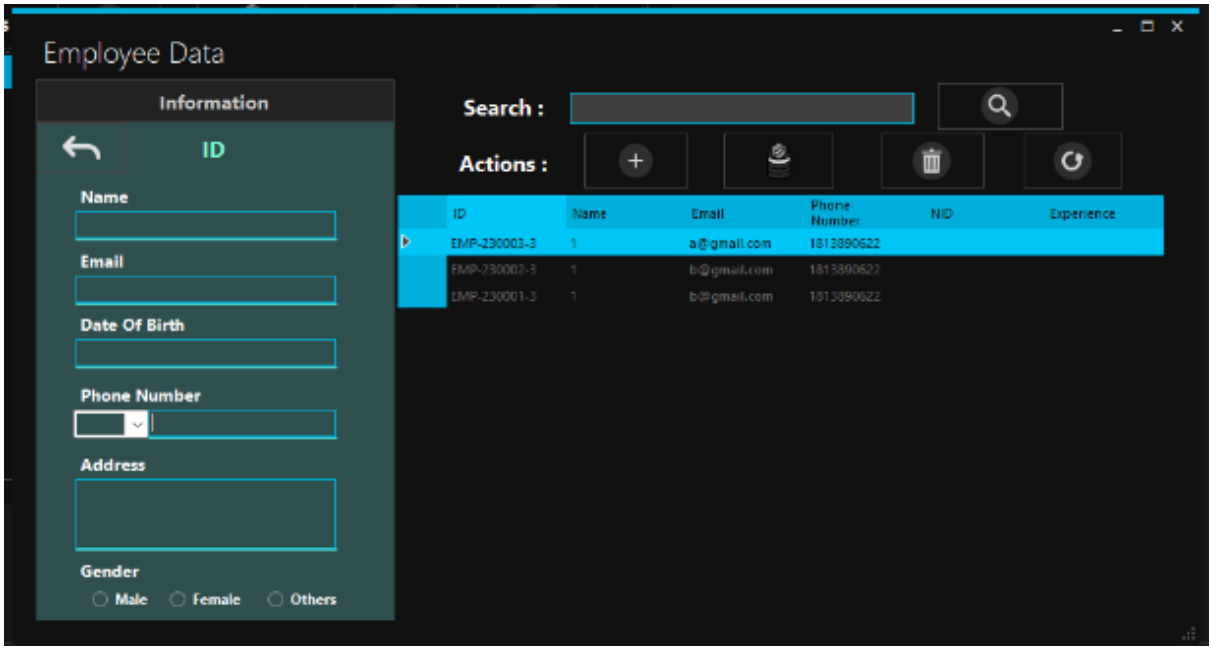
Admin MetroForm:



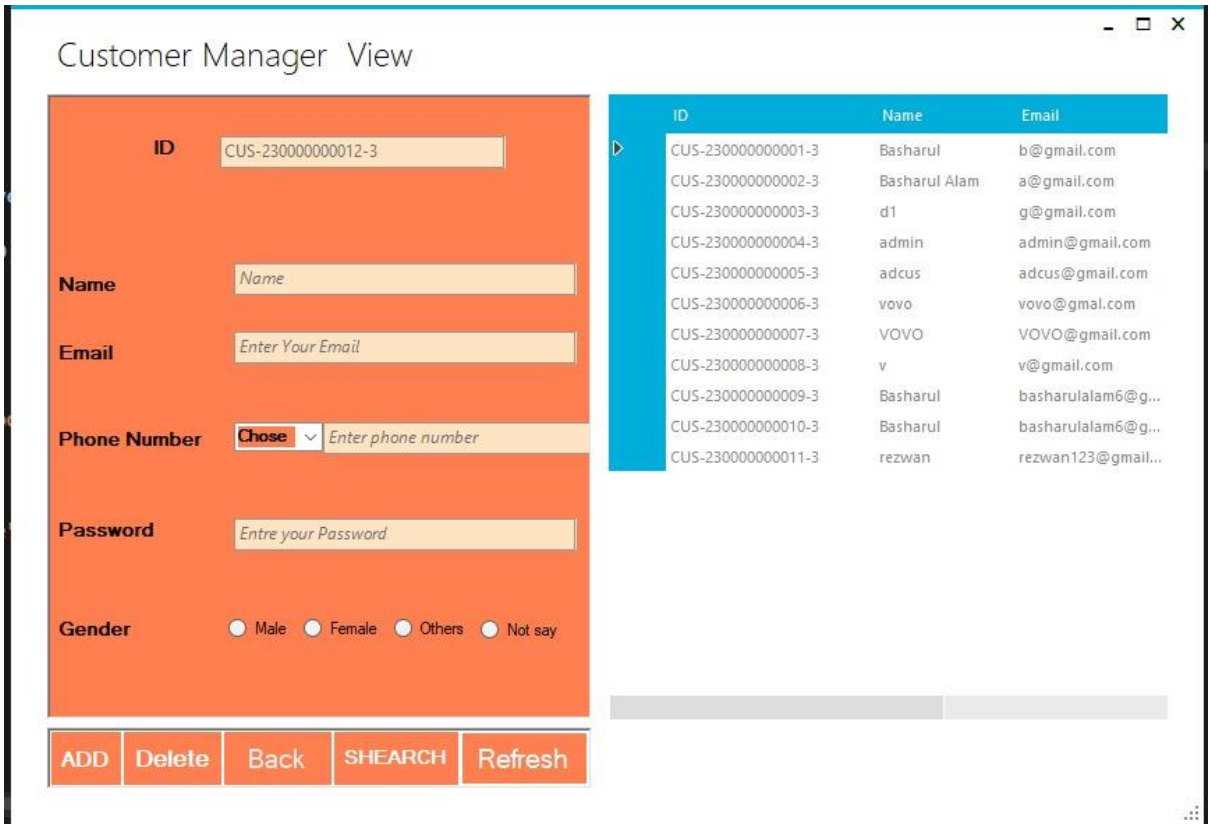
Admin MetroForm:



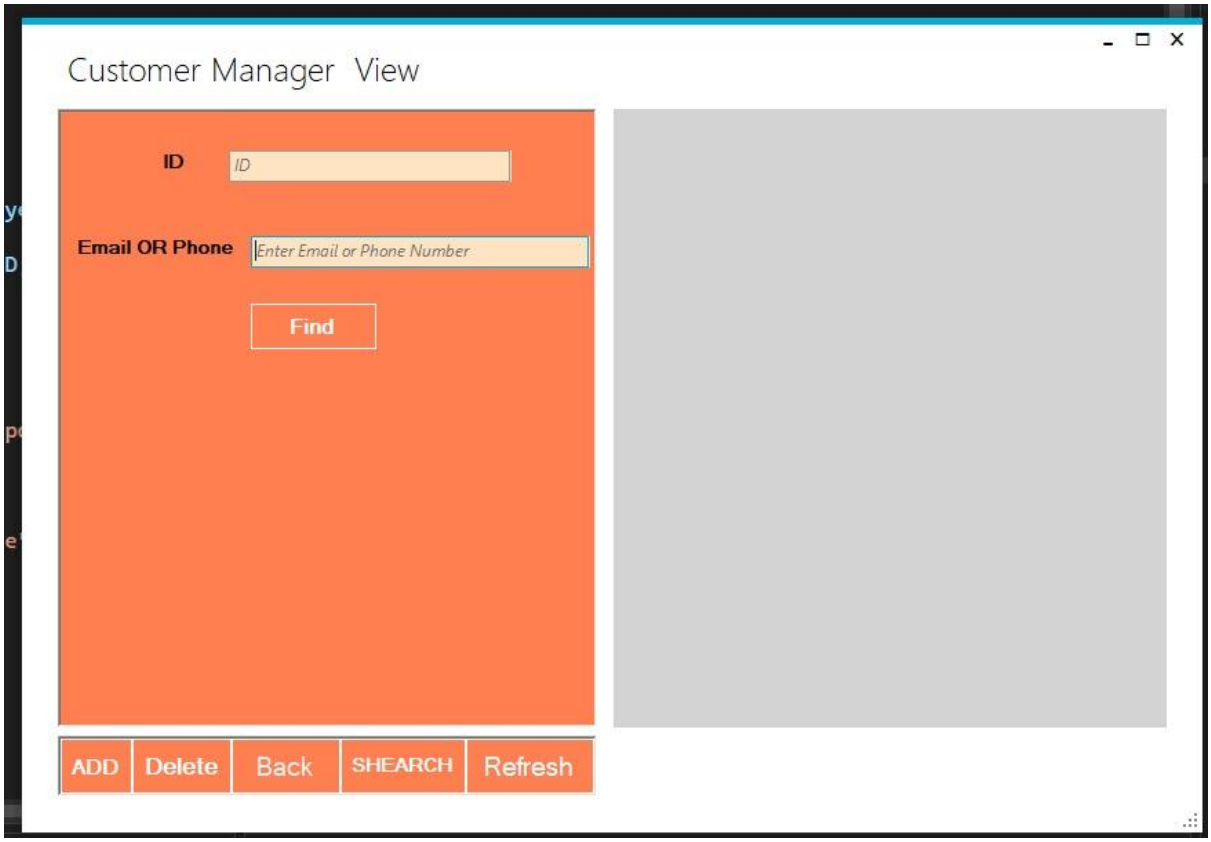
Employee MetroForm:



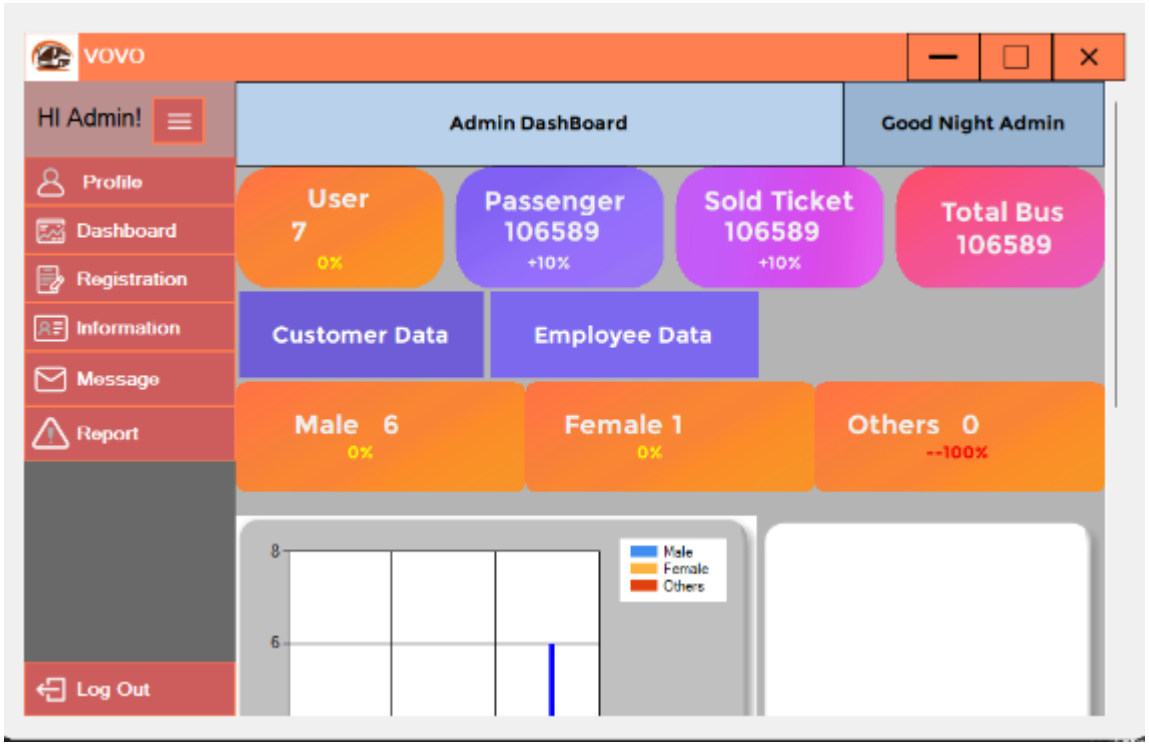
Customer MetroForm:



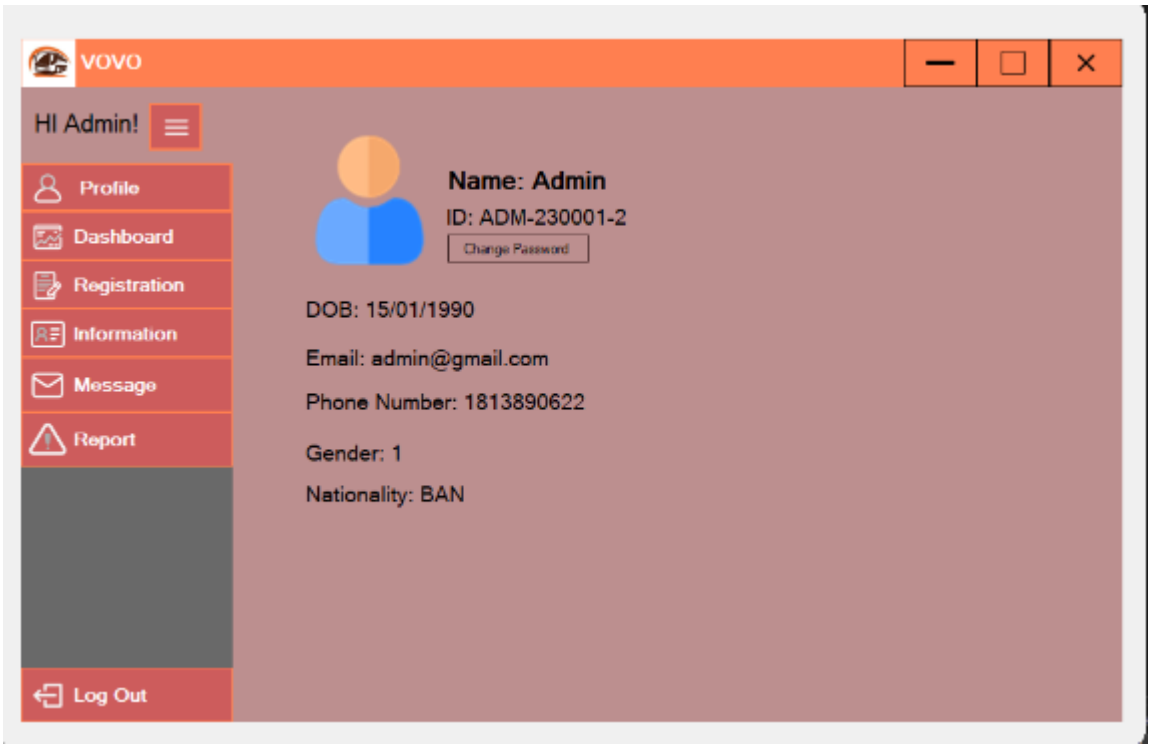
Customer MetroForm:



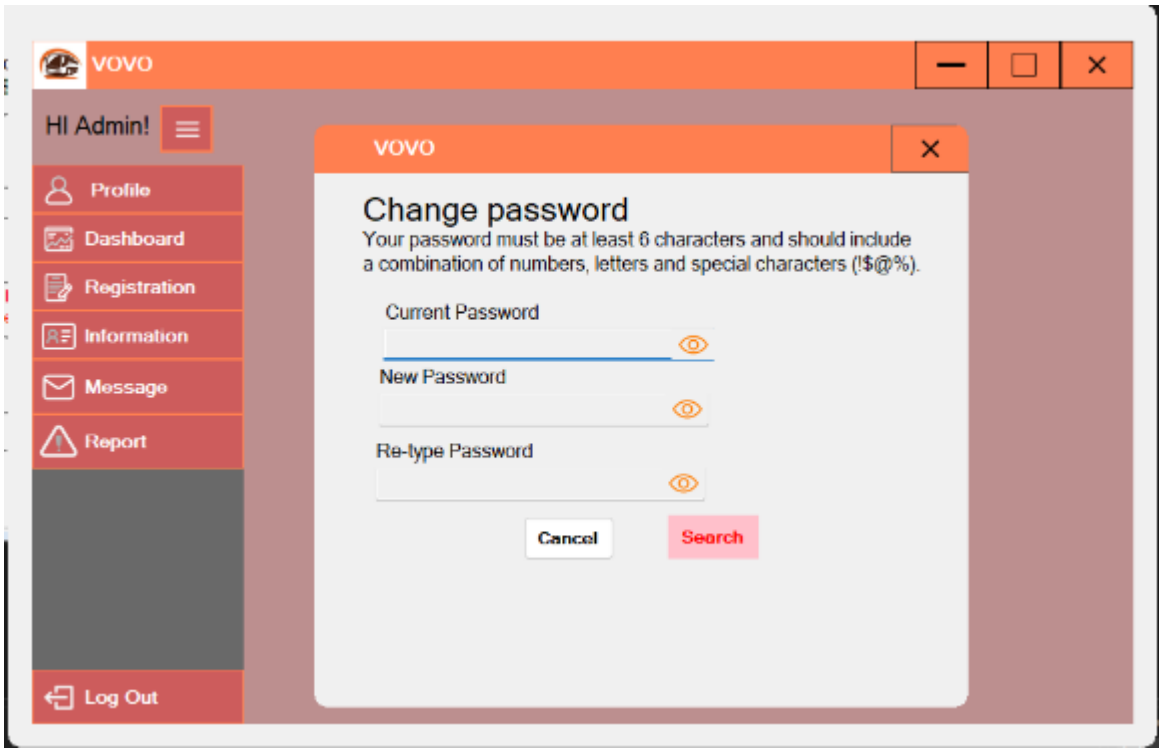
Admin Dashboard:



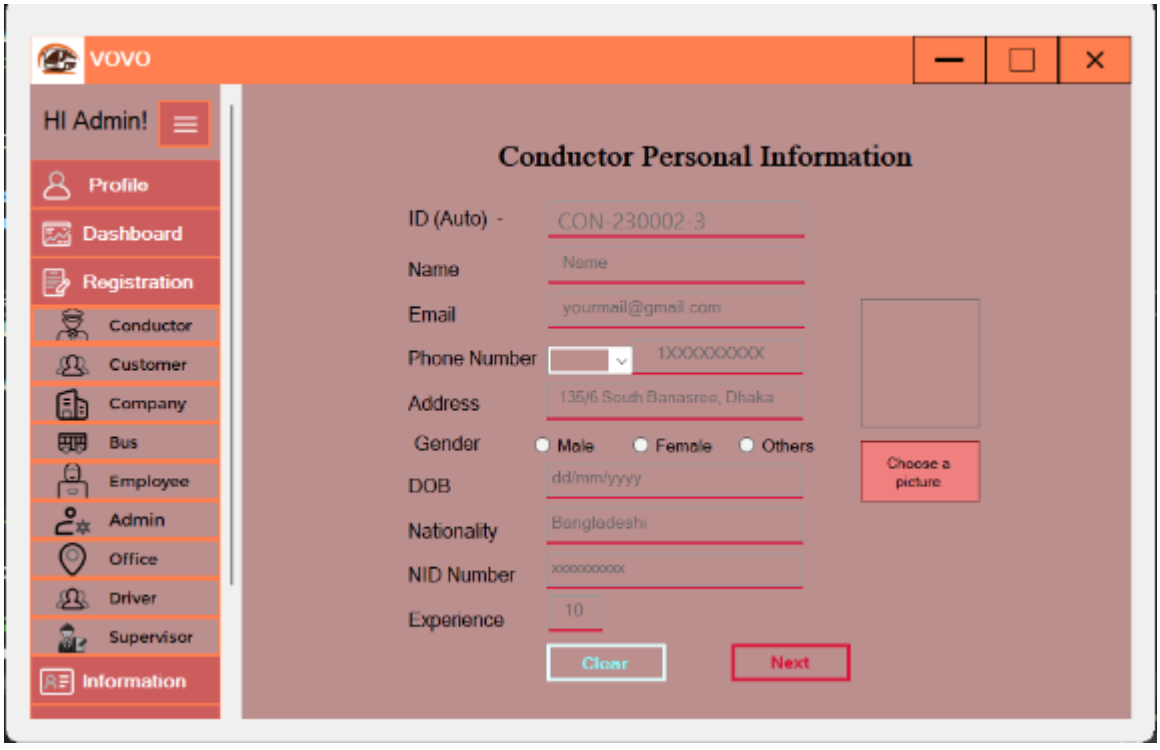
Admin Profile form:



Admin update password form:

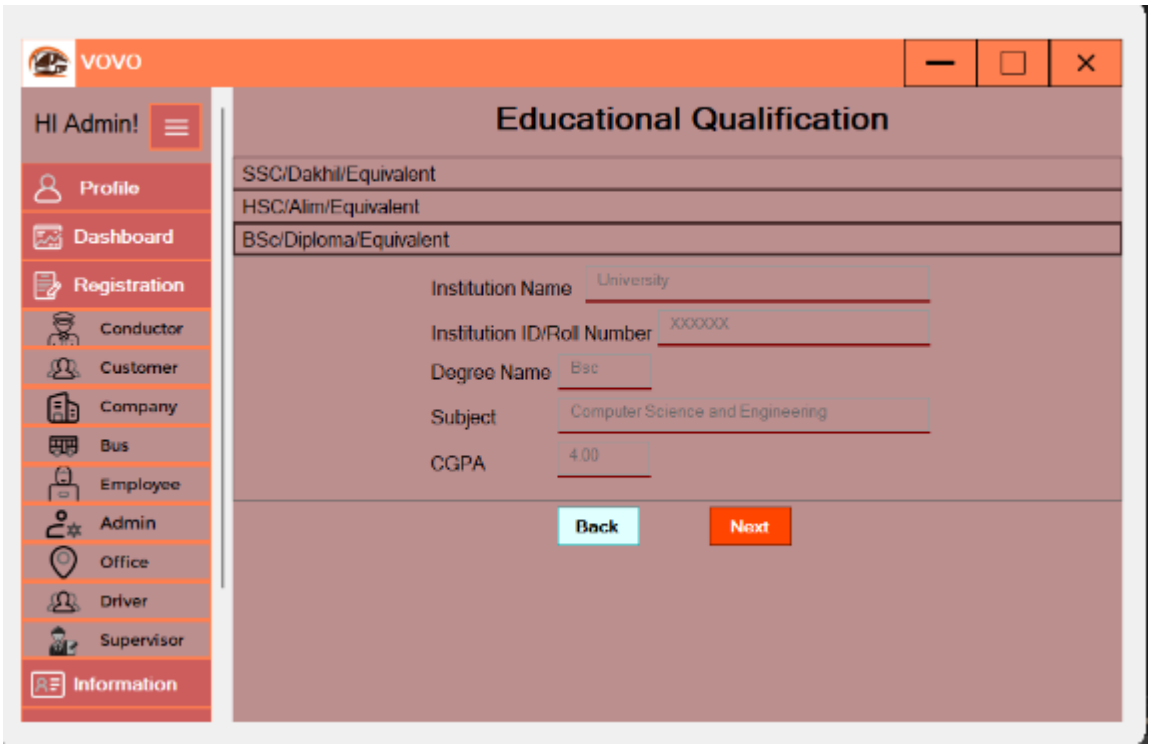


Admin registering an employee form:

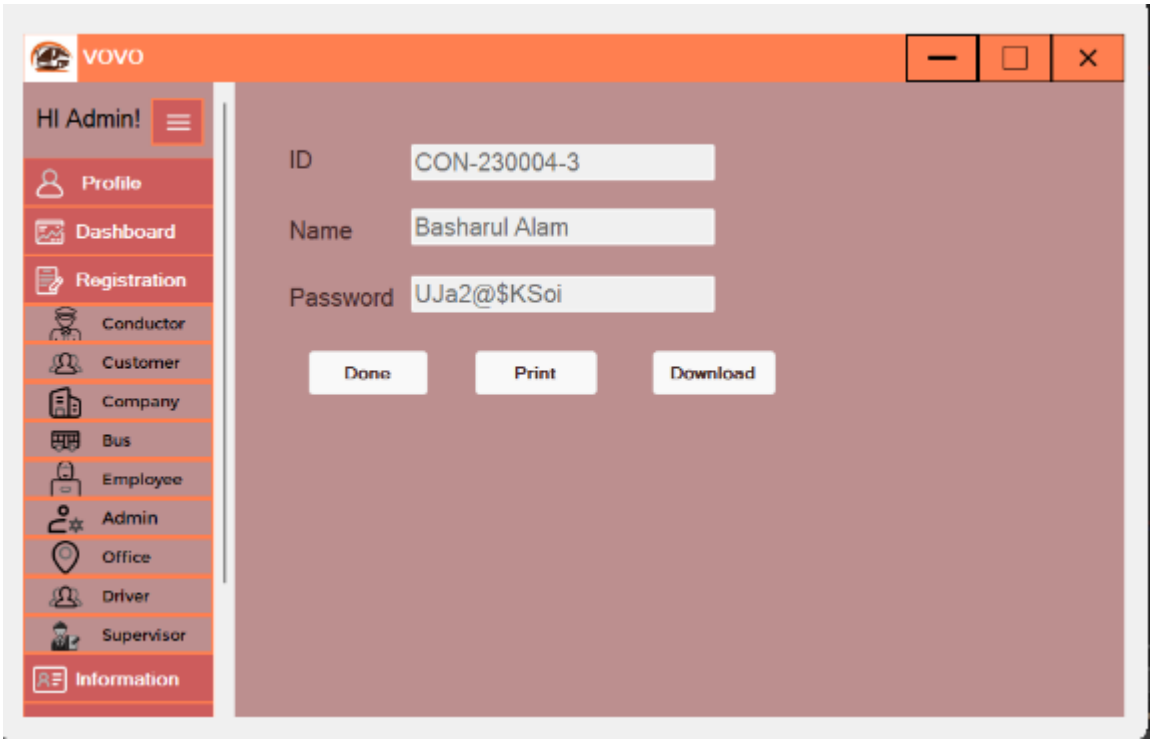


Admin recruiting employee:

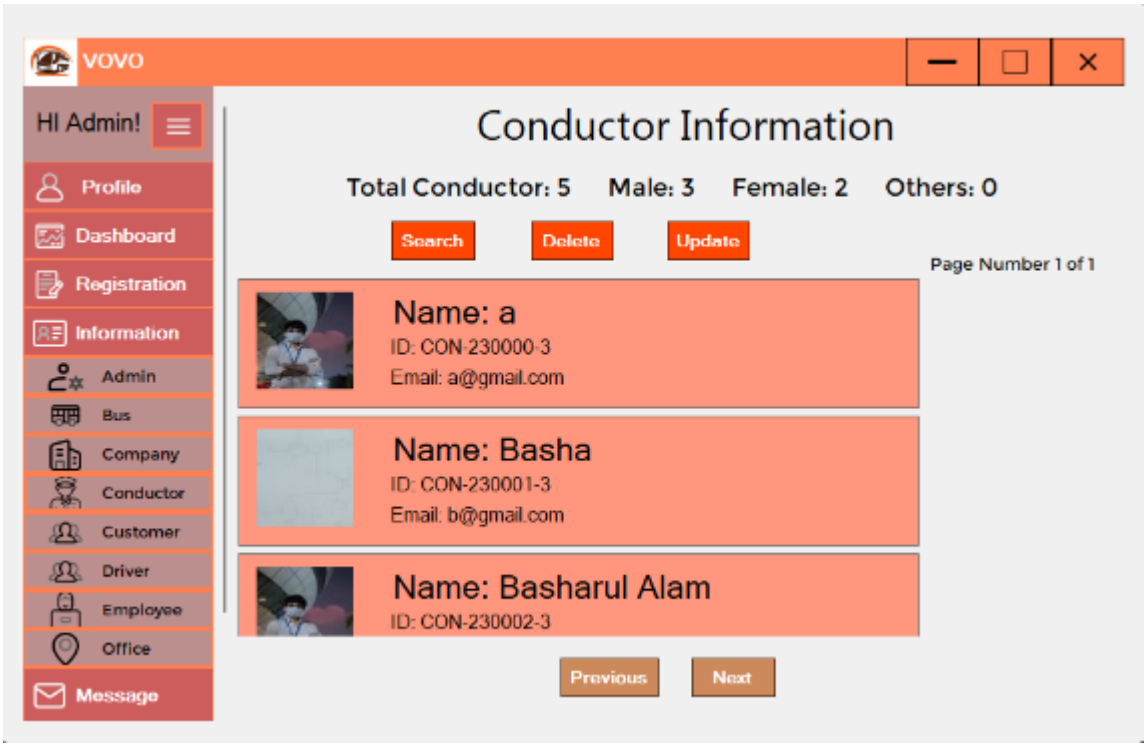
Admin registering educational qualification:



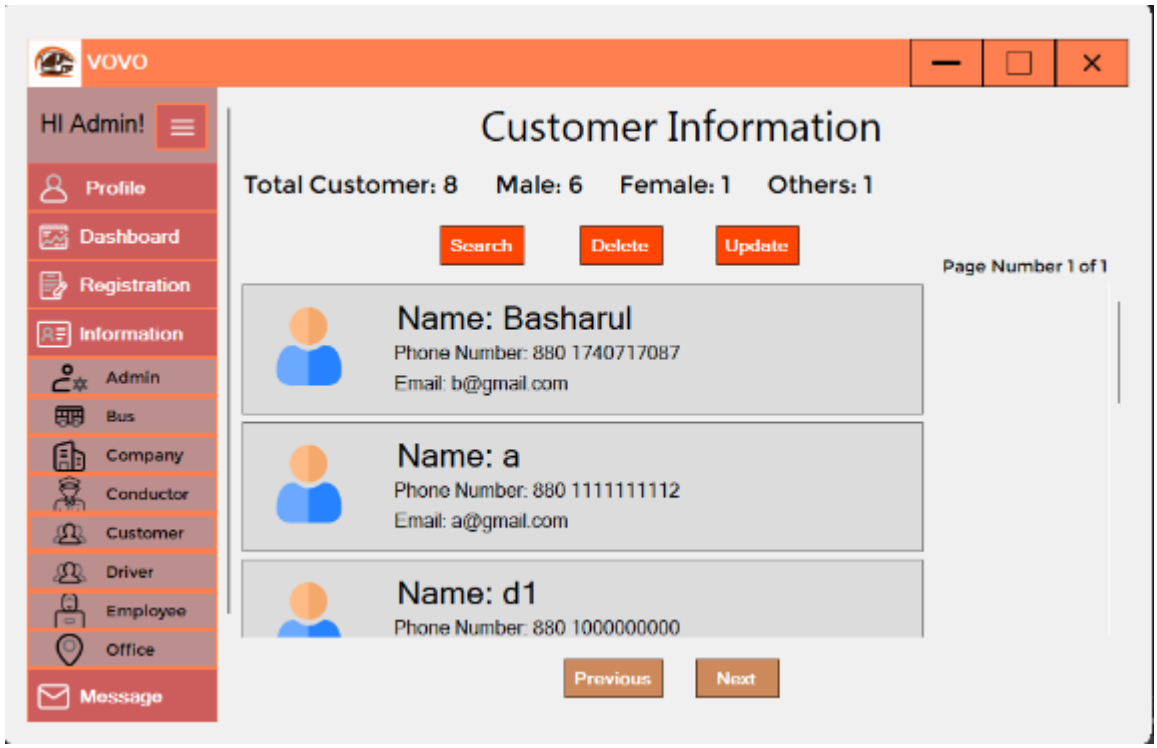
Recruited employee information for work:



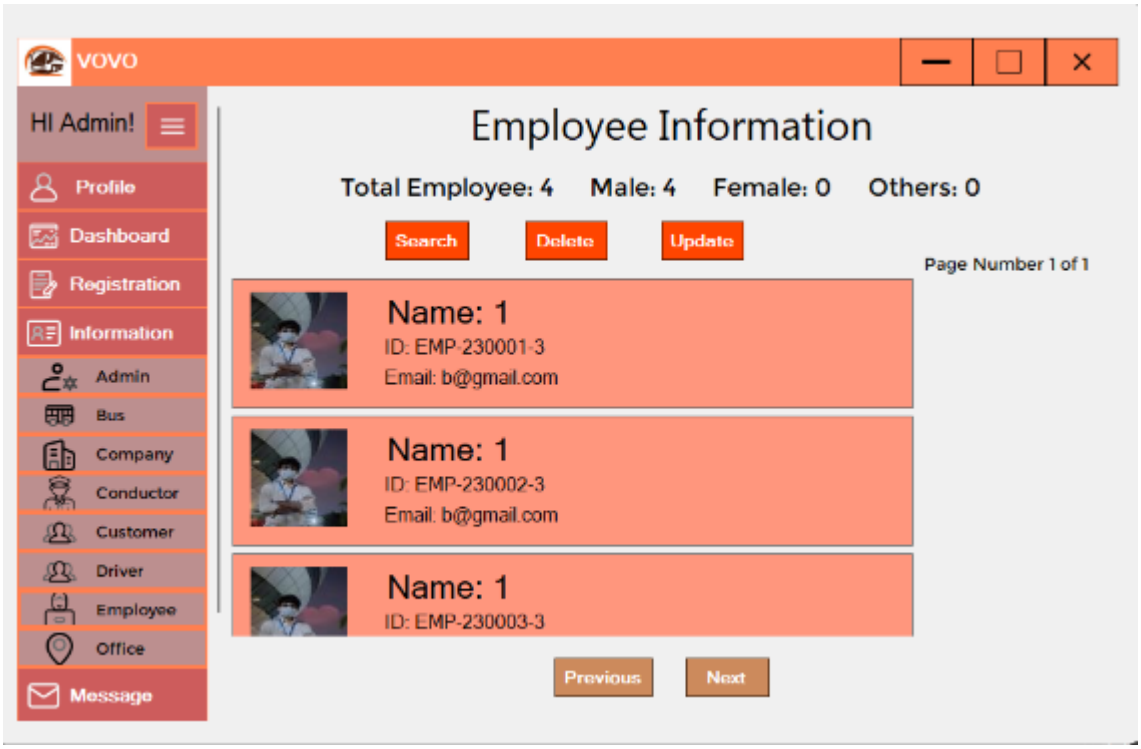
Admin checking Conductor information:



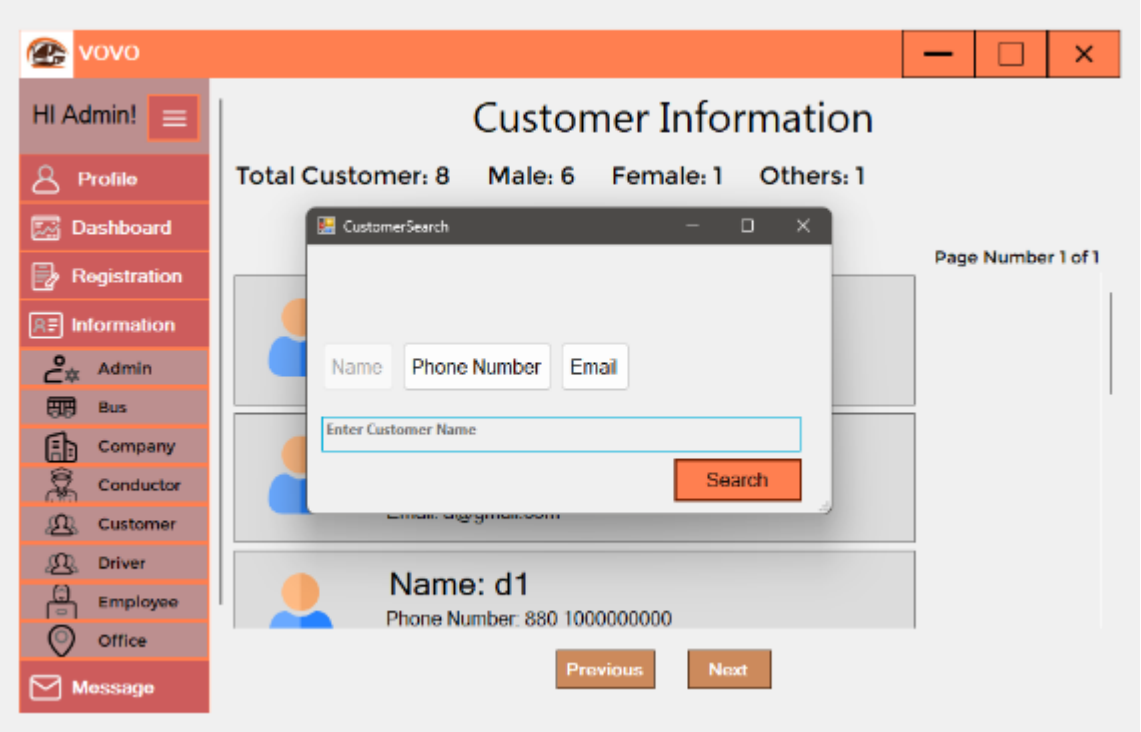
Admin checking Customer information:



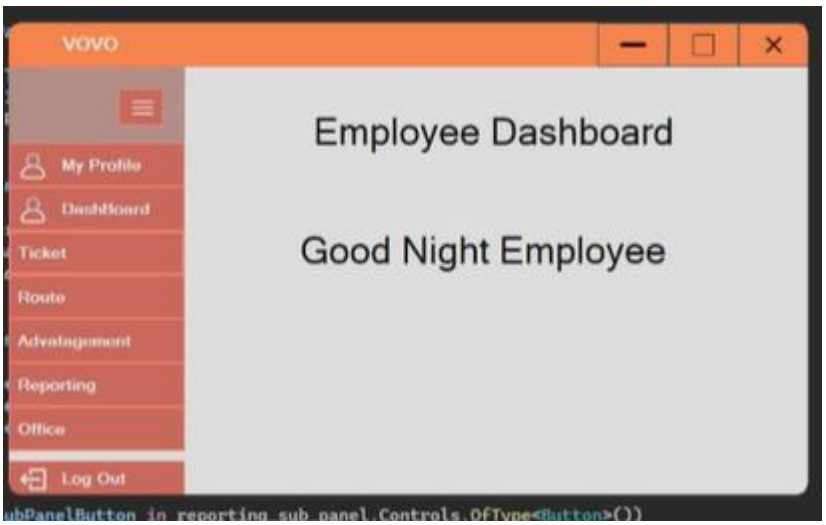
Admin checking Employee information:



Admin searching for Customer information:

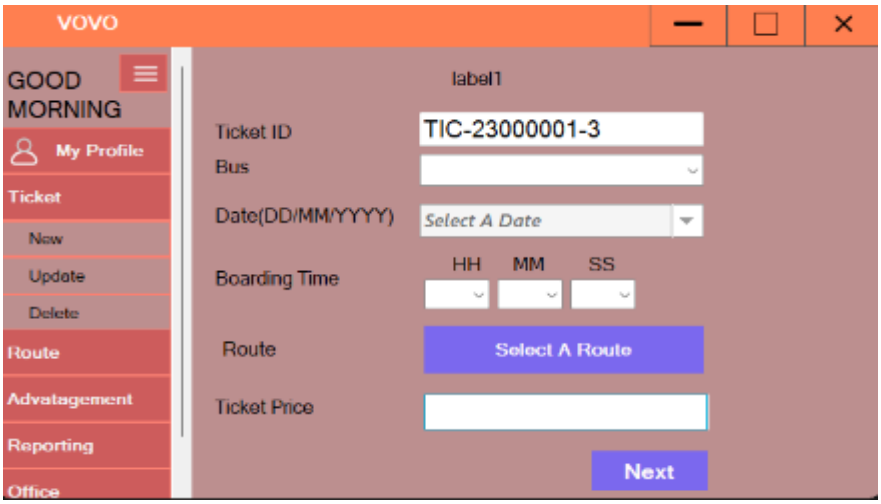


Employee Dashboard:

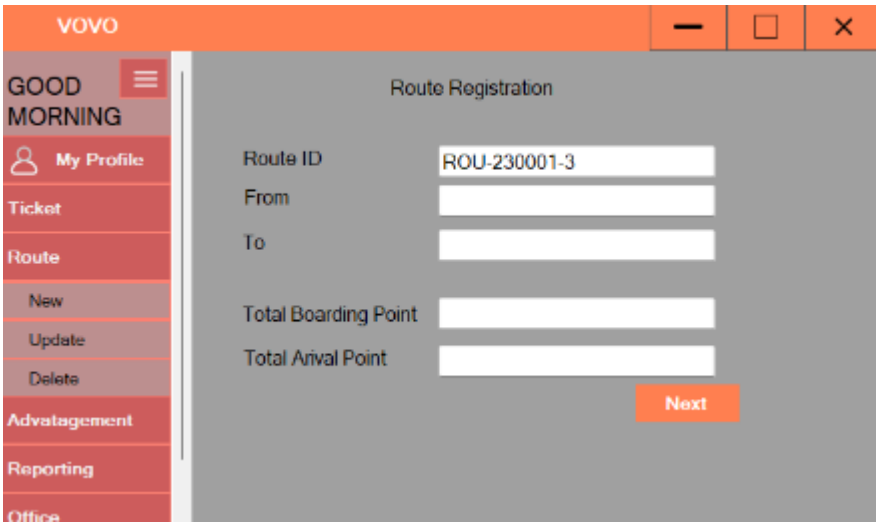


Employee Profile:

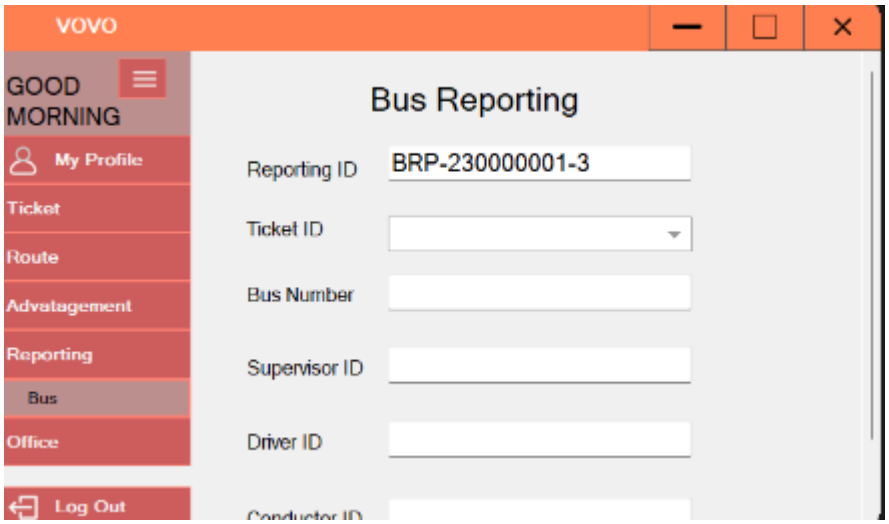
Employee booking for a ticket:



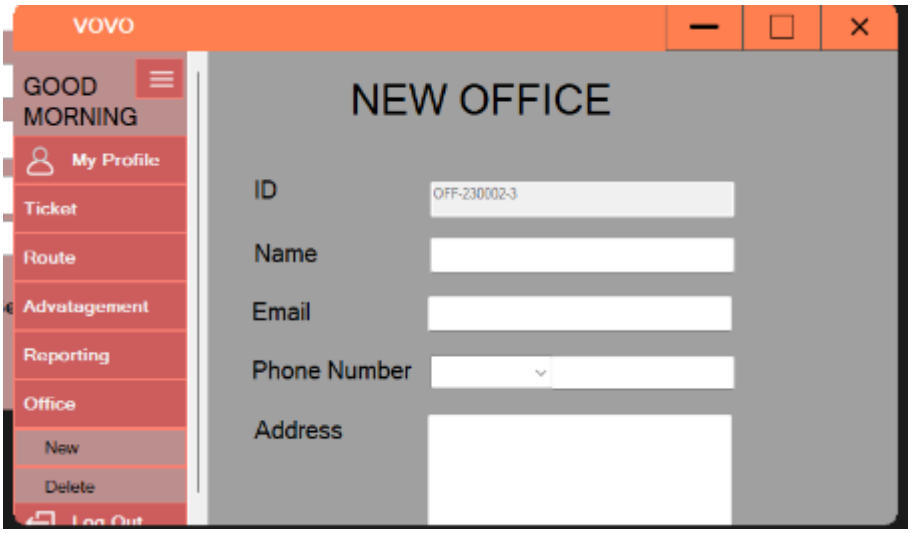
Employee Registering for a Route:



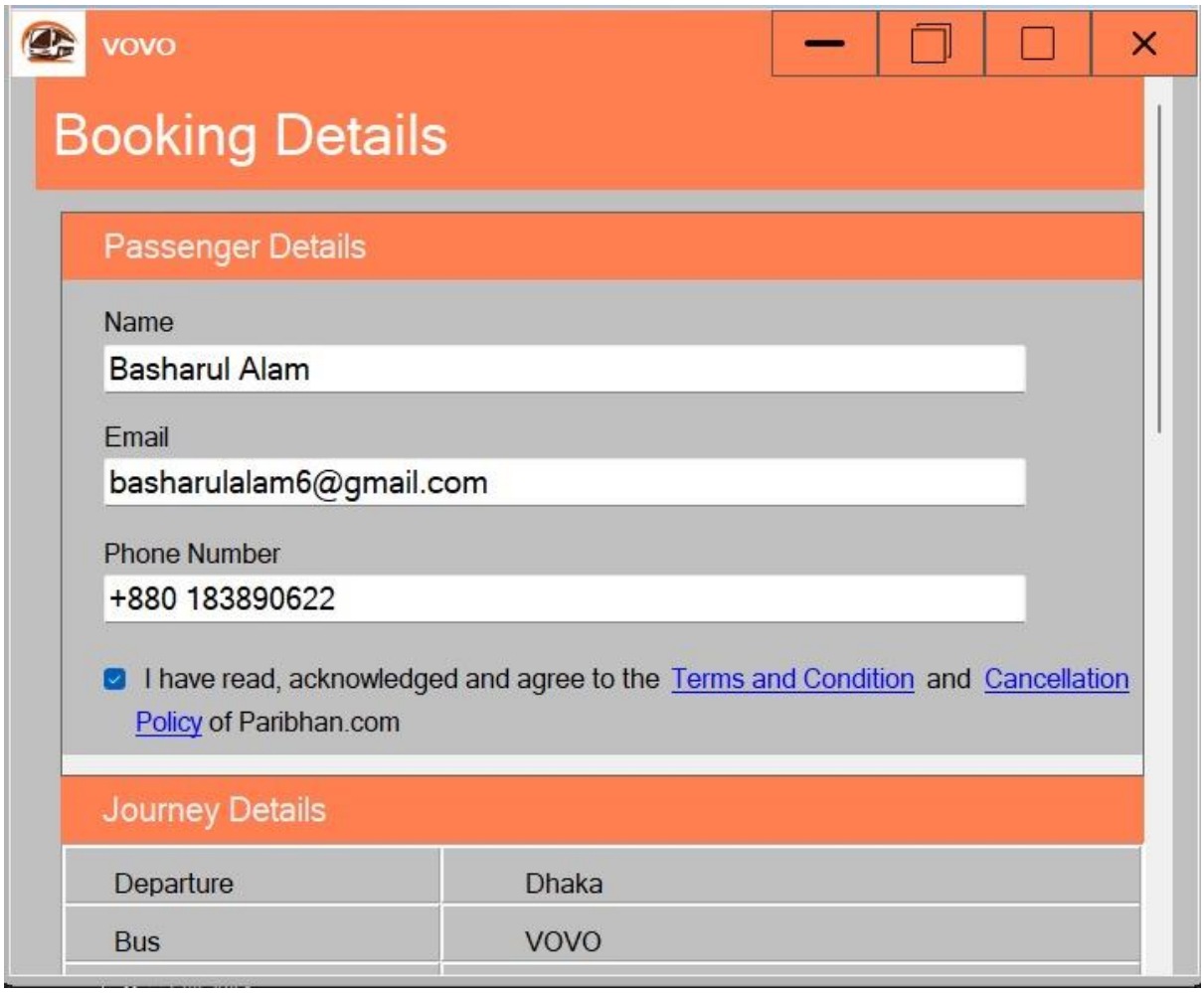
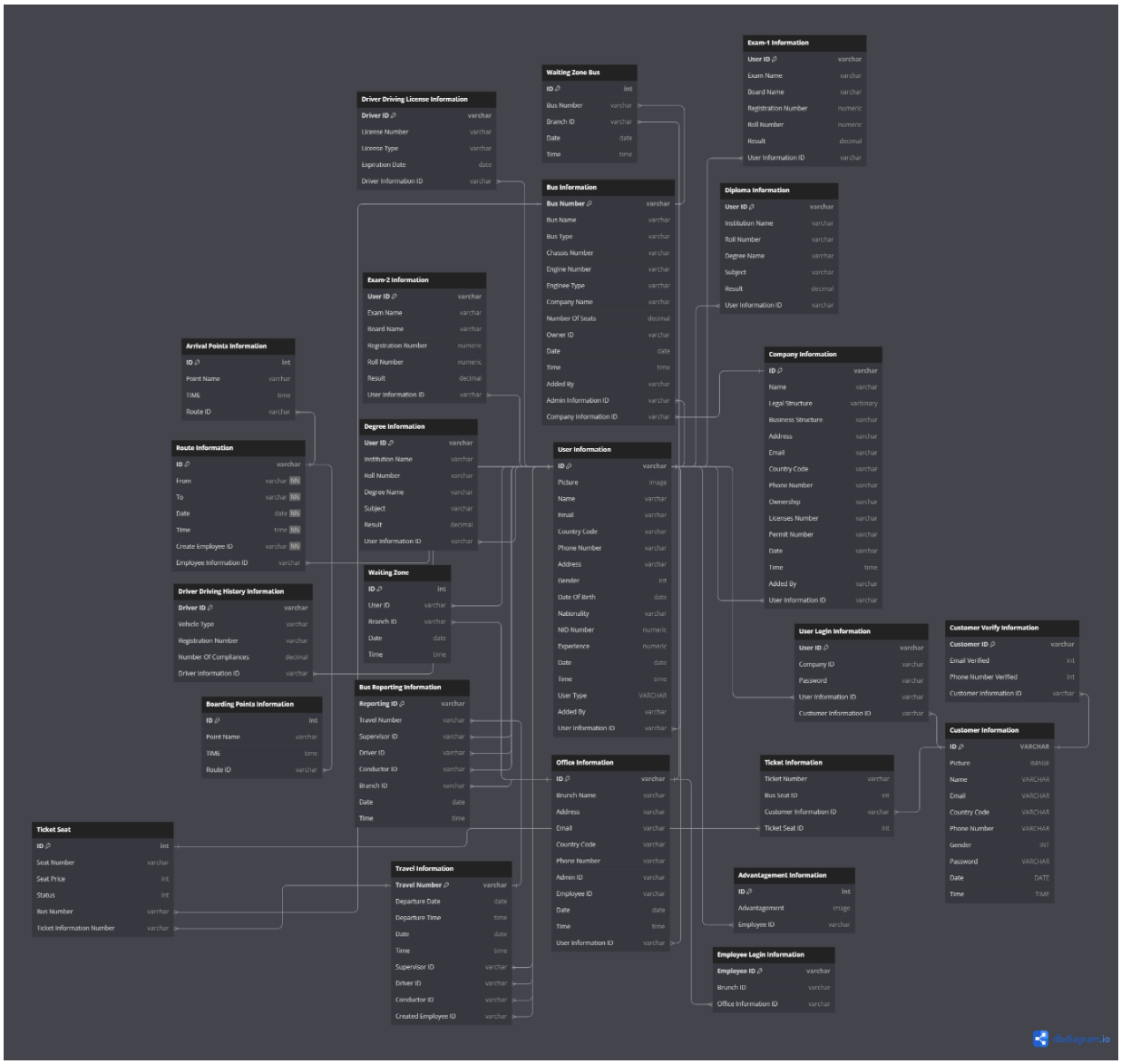
Employee Reporting for a bus:



Employee creating a new Office:



Employee confirming booking details:



Schema Design: