

# Airline Logistics

## ACTORS AND USE CASES

Customer:

- Register
- Login
- View account
- Track parcels

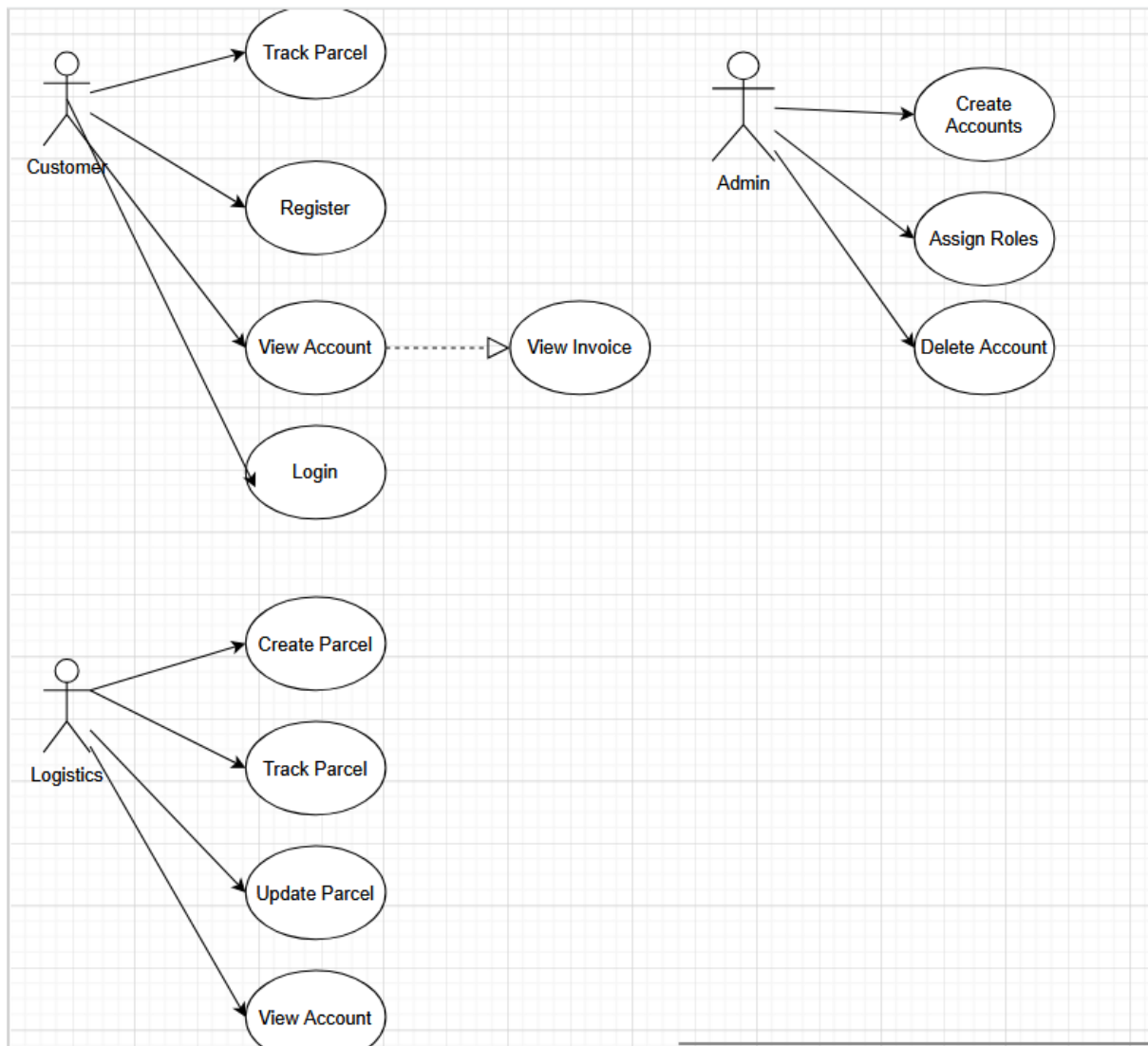
Logistics:

- Create Parcel
- Update Parcel
- Track parcel
- View account

Admin:

- Create Account
- Assign Roles
- Delete Account

## PICTURE OF UML DIAGRAM



## Tables:

### CustomerTable

- CustomerID (PK)
- Name
- Email
- Password
- Date

### LogisticTable

- LogisticID (PK)
- InvoiceID (FK)
- ParcelID
- Content
- Status
- Destination
- Email
- Password

### AdminTable

- AdminID (PK)
- Role
- Email
- Password

### InvoiceTable

- InvoiceID (PK)
- CustomerID (FK)
- Amount
- ParcelDetail
- Date

## Relationships:

### **CustomerTable + LogisticTable**

Relationship Type: One to Many

A customer can have multiple parcels.

### **LogisticTable + InvoiceTable**

Relationship Type: One to One

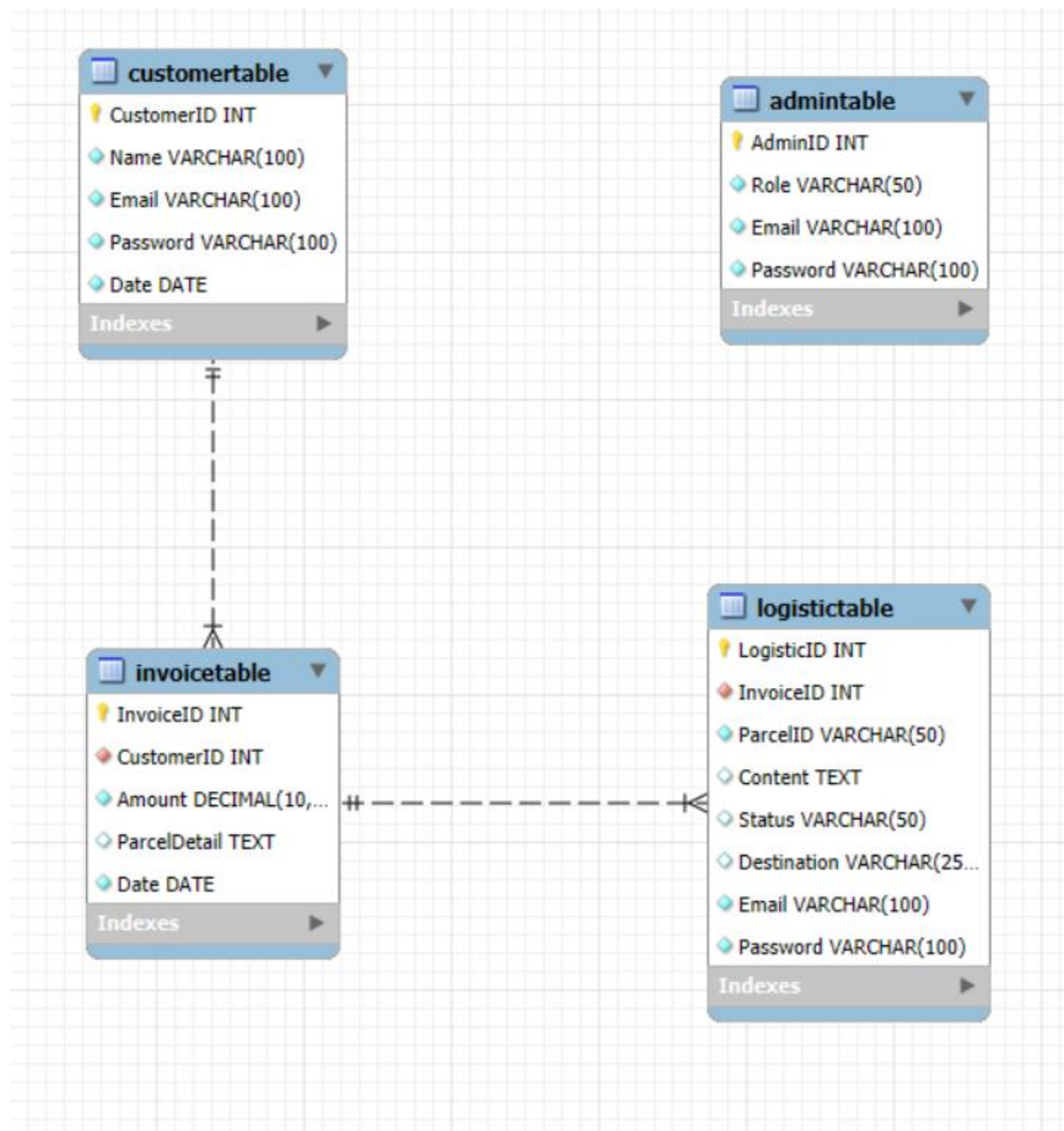
Each parcel has connections to their corresponding invoice

### **CustomerTable + InvoiceTable**

Relationship Type: Many to One

A customer can have multiple invoices

Picture of the ERD diagram



Test cases with Scenario in Cucumber Testing.

## **CUSTOMER**

USE CASE: Register:

Scenario: Successful registration with valid information

Given the user is on the registration page

When the user enters a valid email, password and date

And clicks the “Register” button

Then the user should see a confirmation message

And then the account will be created.

USE CASE: Login:

Scenario: Successful login with valid credentials

Given the user is on the login page

When the user enters a valid email and password

And clicks the “Login” button

Then the user should be redirected to the main menu.

USE CASE: View Account:

Scenario: View account information

Given the user is logged in

When the user clicks on the account page

Then the user should see their email and registration date.

USE CASE: Track Parcel:

Scenario: Track a parcel using parcel ID

Given the user is logged in

When the user enters a valid parcel ID in the ID Text box

And clicks “Track” button

Then the user should see the parcel’s status, information and destination.

## LOGISTICS

USE CASE: Create Parcel

Scenario: Update the status of a parcel

Given the logistics user is logged into a nlogistics account

When the user enters the parcel details

And clicks the “Create” button

Then the parcel should be created.

## USE CASE: Update parcel

Scenario: Update the status of a Parcel

Given the logistics user is logged into an logistics account

And a parcel exists

When the user selects the parcel and updates it

And clicks the “Update” button

Then the parcel’s status should be updated.

## USE CASE: Track Parcel

Scenario: View tracking information of a parcel

Given the logistics user is logged into a logistics account

When the logistics user enters a parcel ID

Then the system should display the parcel’s status and destination

## USE CASE: View Account

Scenario: View logistics account details

Given the logistics user is logged in an logistics account

When the logistics user searches a customer ID

Then the logistics user should see their email and their status



# ADMIN

## USE CASE: Create Account

Scenario: Admin creates a new user account

Given the admin is logged in an administrator account

When the admin enters user details and selects a role

And clicks the “Create Account” button

Then the new account should be added to the system

## USE CASE: Assign Roles

Scenario: Admin assigns a role to an existing account

Given the admin is logged in an administrator account

And a user account exists

When the admin selects a new role for the user

And clicks the “Assign Role” button

Then the role should be updated in the system

## USE CASE: Delete Account

Scenario: Admin deletes a user account

Given the admin is logged into an administrator account

And a user account is selected

When the admin clicks the “Delete Account” button

Then the user account should be removed from the system