Software Design & Architecture

Project – Spring 2022 – Sequence Diagram

Project Title: Online Bus Ticket Reservation System

Name of Company: Misfit Coders

Department Name: SCIT

University Name: BNU

Submitted to: Ms. Amna Humayun

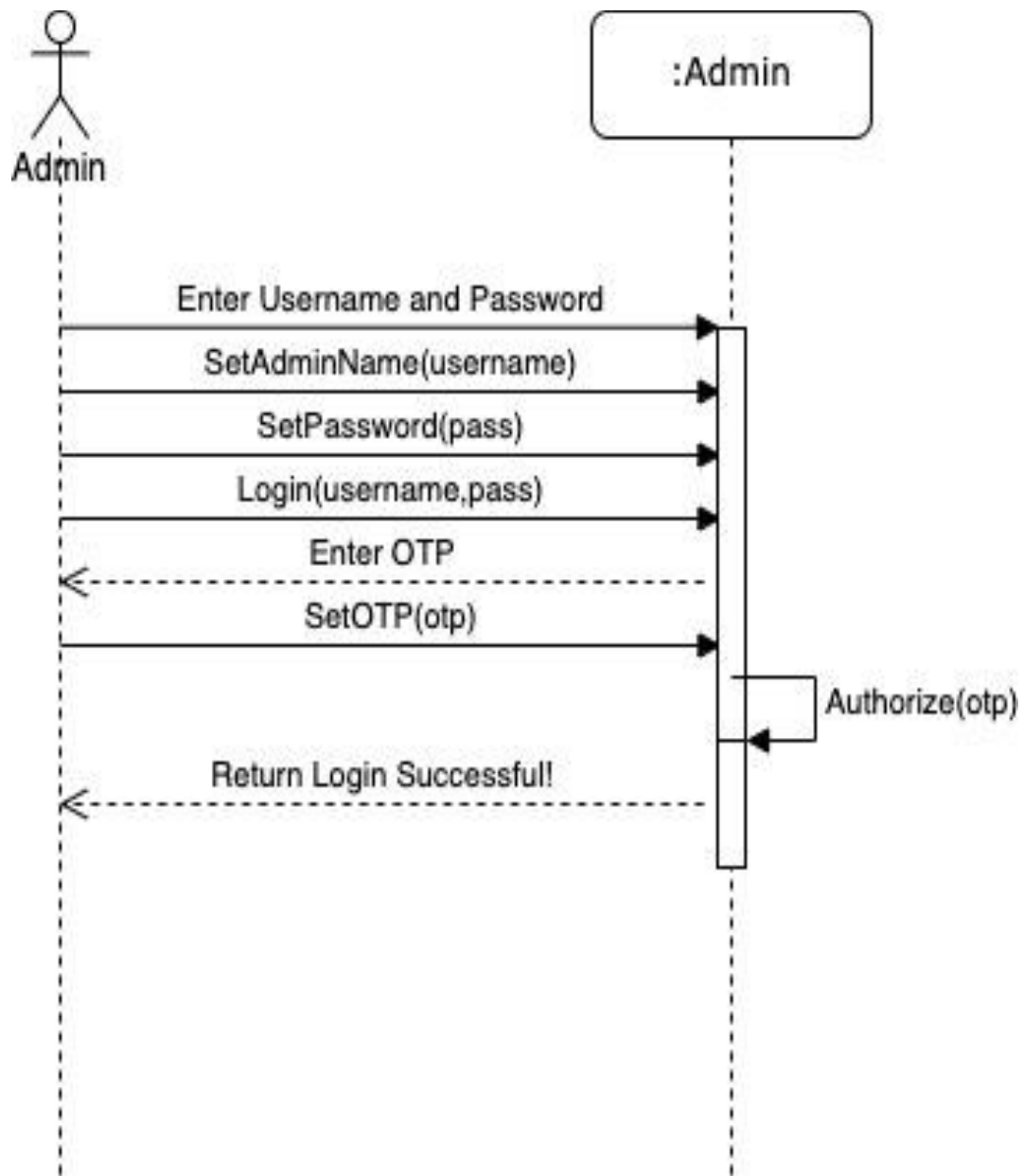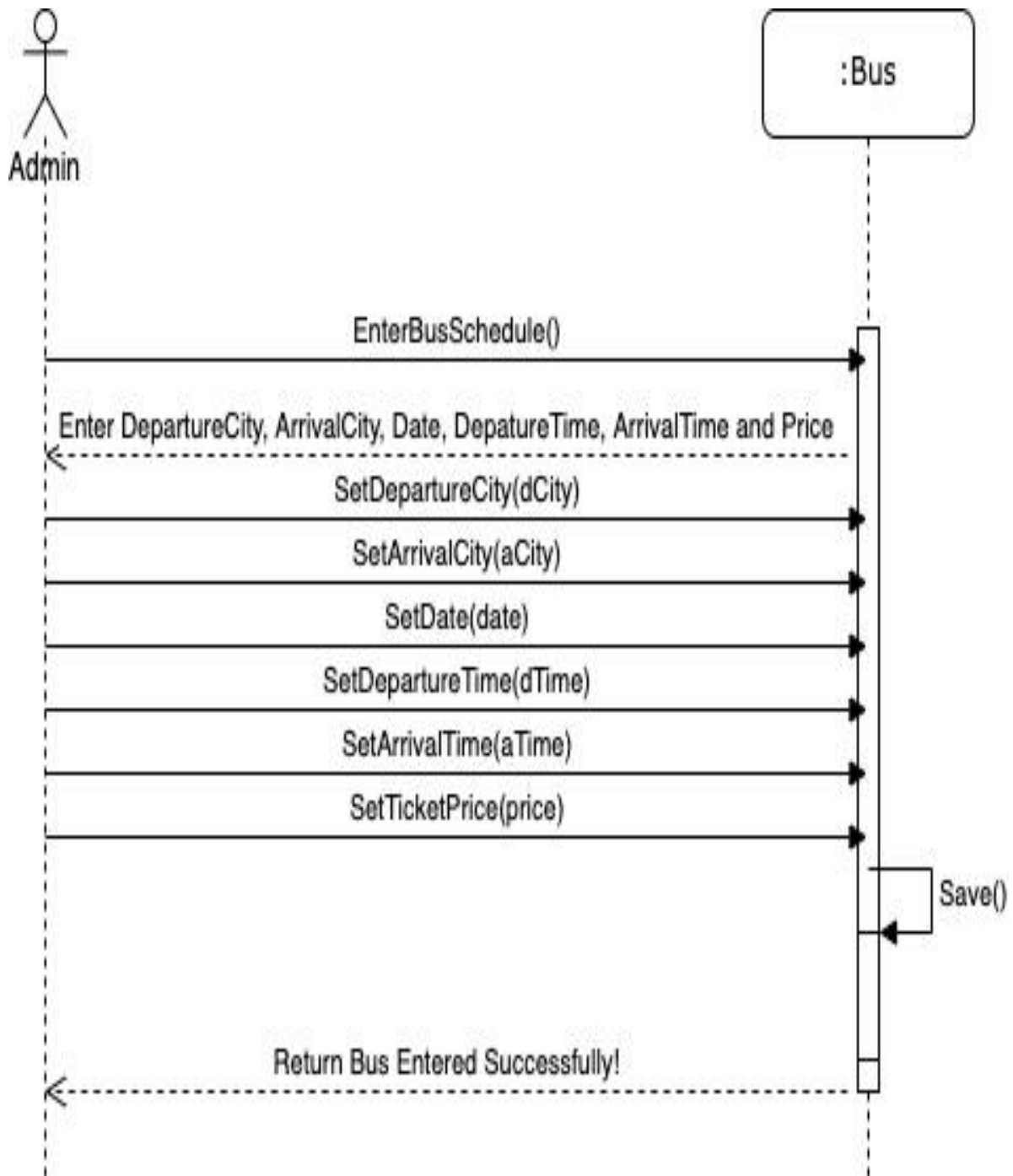**Submitted by:** Muhammad Ali (F2020-591)

Ali Sher (F2020-158)

BNU

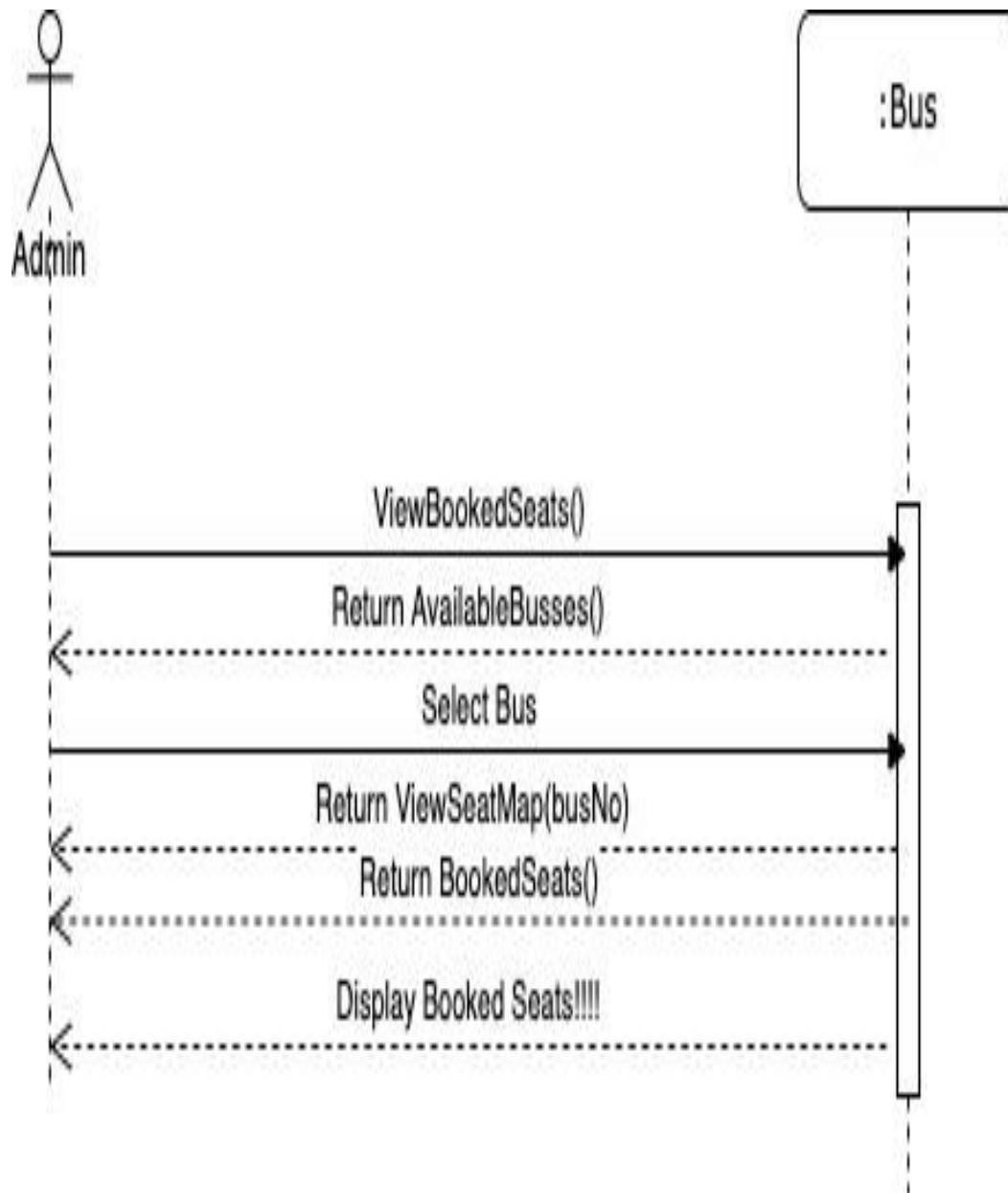**Beaconhouse National University**

Tarogil Campus, Lahore

School of Computer and Information Technology

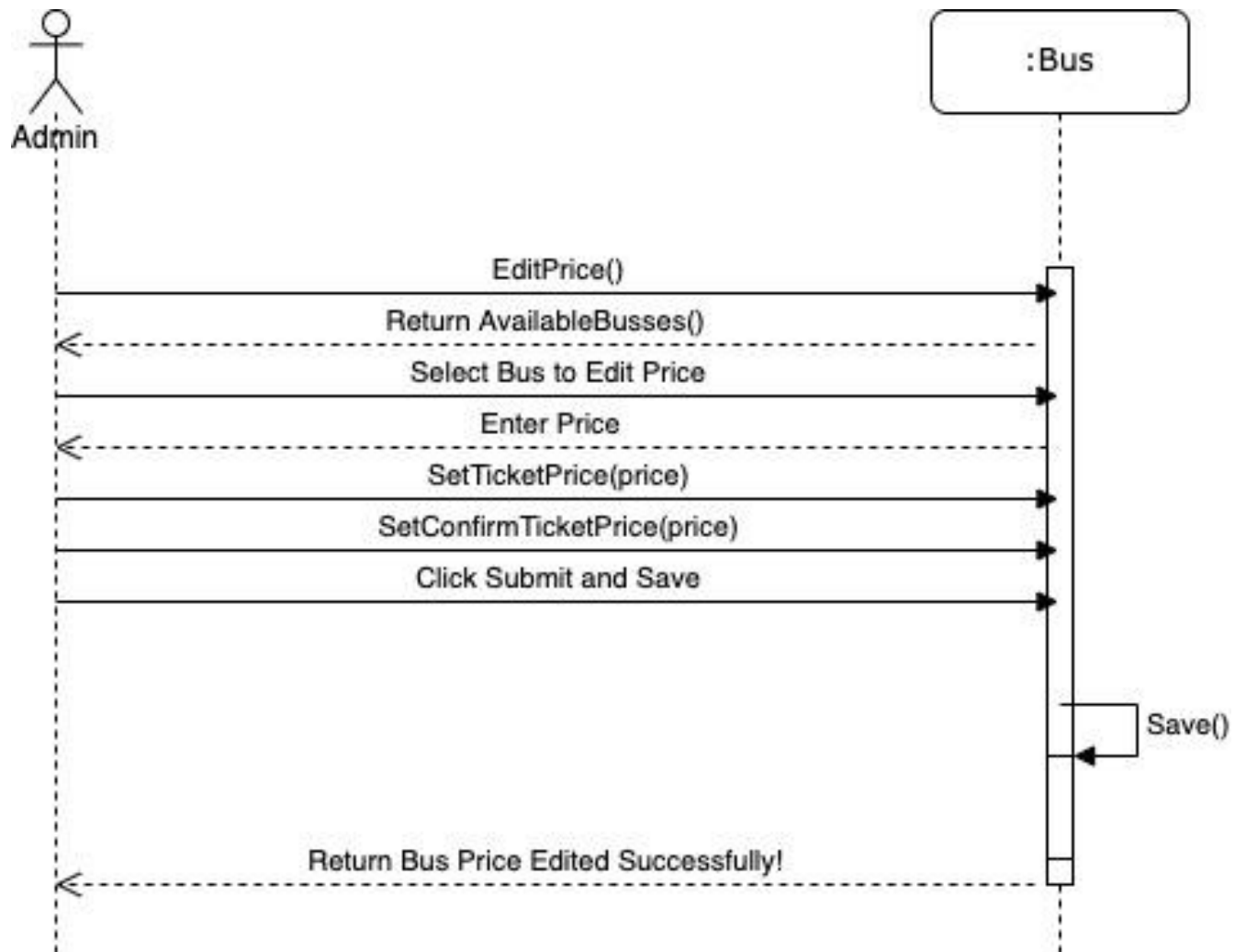Admin

:Admin

Enter Username and Password

SetAdminName(username)

SetPassword(pass)

Login(username,pass)

Enter OTP

SetOTP(otp)

Authorize(otp)

Return Login Successful!

AdminLogin

AdminEnterBusSchedule

Admin

:Bus

ViewBookedSeats()

Return AvailableBusses()

Select Bus

Return ViewSeatMap(busNo)

Return BookedSeats()

Display Booked Seats!!!!

AdminViewBookedSeats

```
                                                                    ┌──────────────┐
          ○                                                         │    :Bus      │
         ╱│╲                                                        └──────┬───────┘
          │                                                                ┊
        Admin                                                              ┊
                                  EditPrice()                            ┏━┿━┓
          ├───────────────────────────────────────────────────────────▶ ┃ ┊ ┃
          │        Return AvailableBusses()                              ┃ ┊ ┃
          │◀- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -┃ ┊ ┃
          │        Select Bus to Edit Price                              ┃ ┊ ┃
          ├───────────────────────────────────────────────────────────▶ ┃ ┊ ┃
          │              Enter Price                                     ┃ ┊ ┃
          │◀- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -┃ ┊ ┃
          │        SetTicketPrice(price)                                 ┃ ┊ ┃
          ├───────────────────────────────────────────────────────────▶ ┃ ┊ ┃
          │        SetConfirmTicketPrice(price)                          ┃ ┊ ┃
          ├───────────────────────────────────────────────────────────▶ ┃ ┊ ┃
          │        Click Submit and Save                                 ┃ ┊ ┃
          ├───────────────────────────────────────────────────────────▶ ┃ ┊ ┃
          │                                                              ┃ ┊ ┃──┐ Save()
          │                                                              ┃ ┊ ┃  │
          │                                                              ┃ ┊ ┃◀─┘
          │        Return Bus Price Edited Successfully!                 ┃ ┊ ┃
          │◀- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -┗━┿━┛
          ┊                                                                ┊
```

AdminEditPrice

5

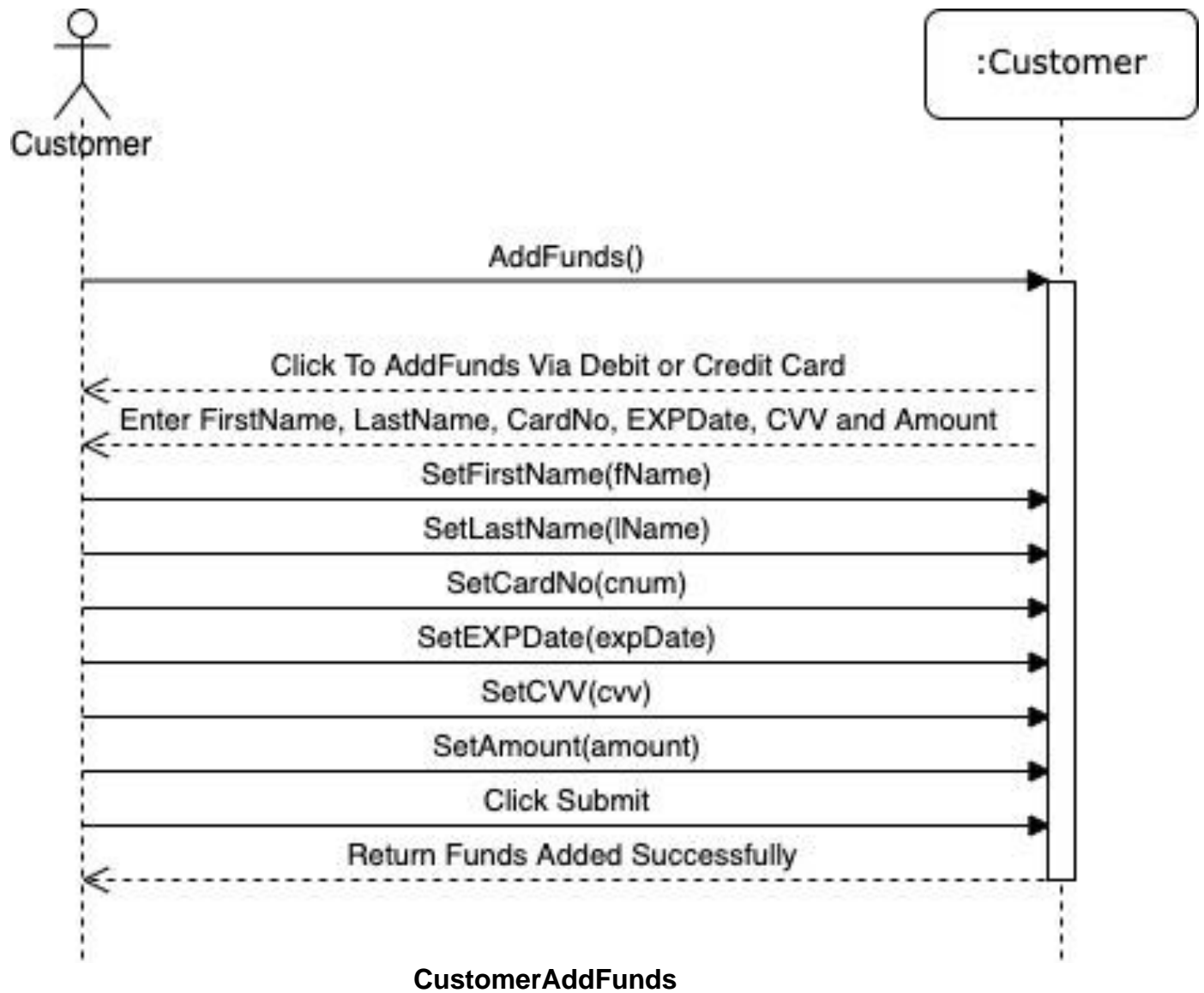**AdminEditBusSchedule**

AdminViewEmptySeats

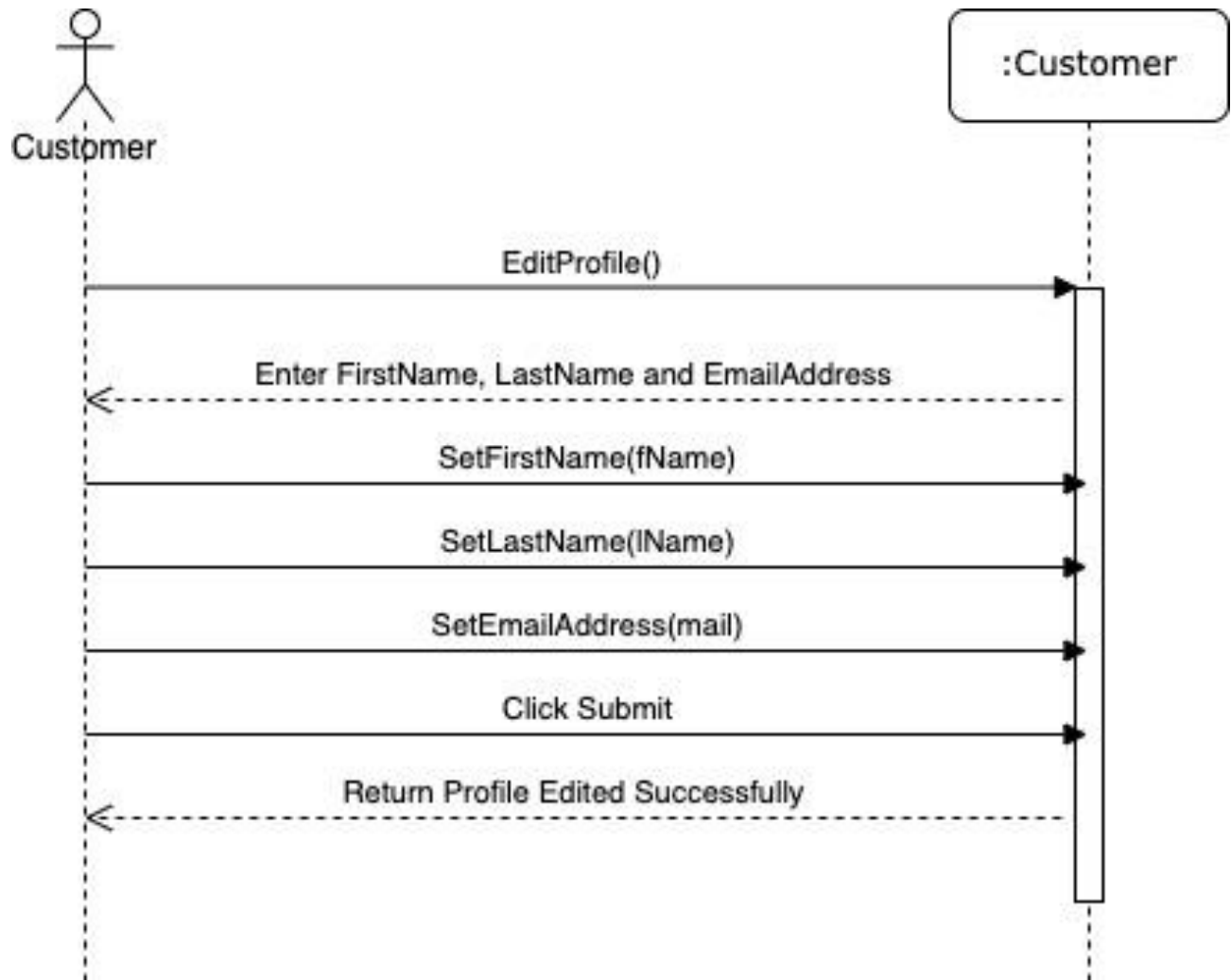**AdminViewPaidReservedSeats**

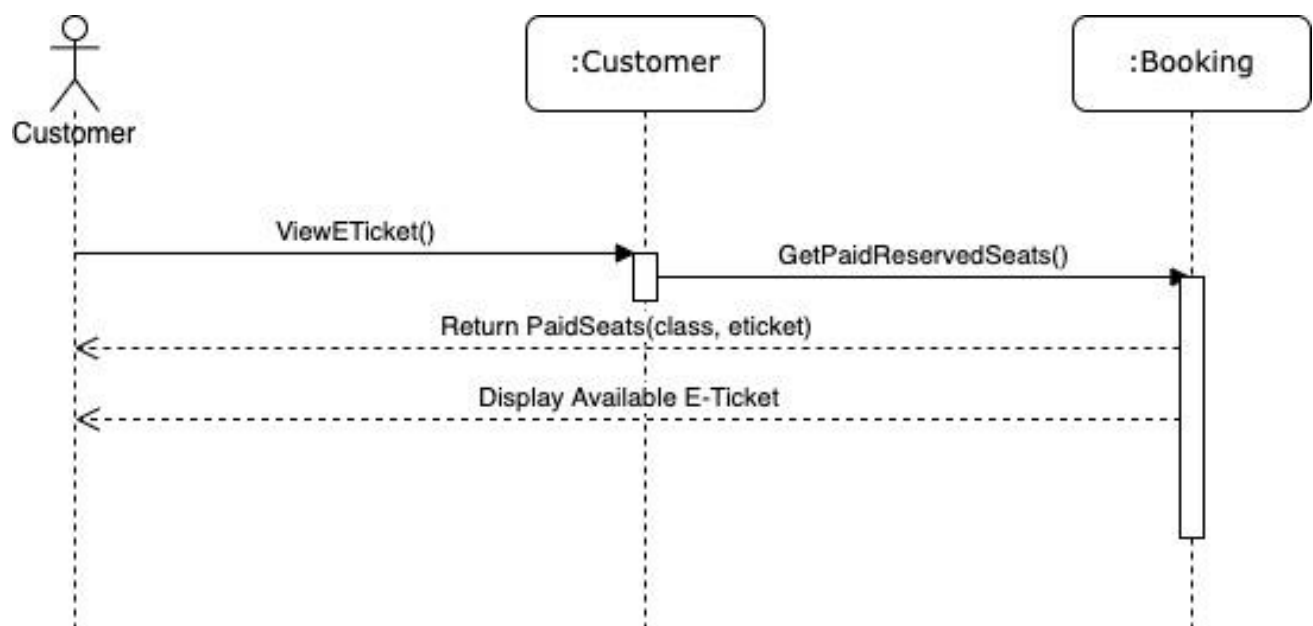**CustomerAddFunds**

CustomerBookSeats
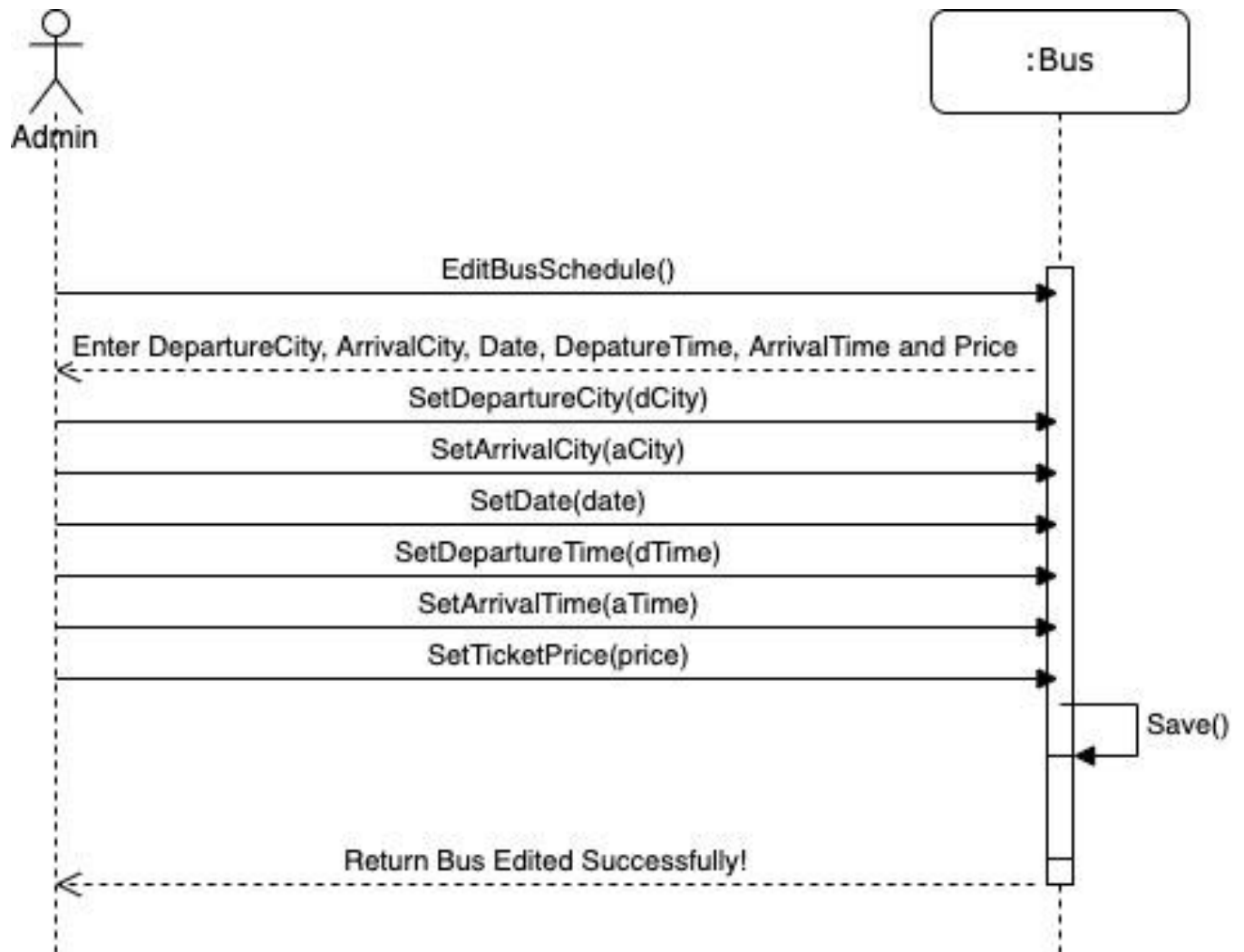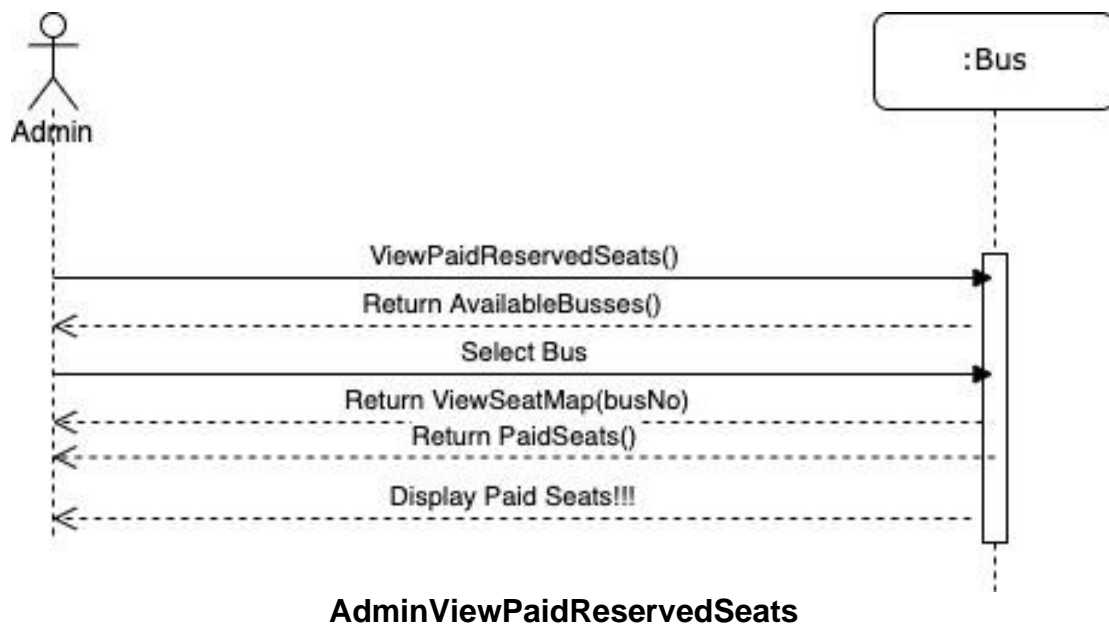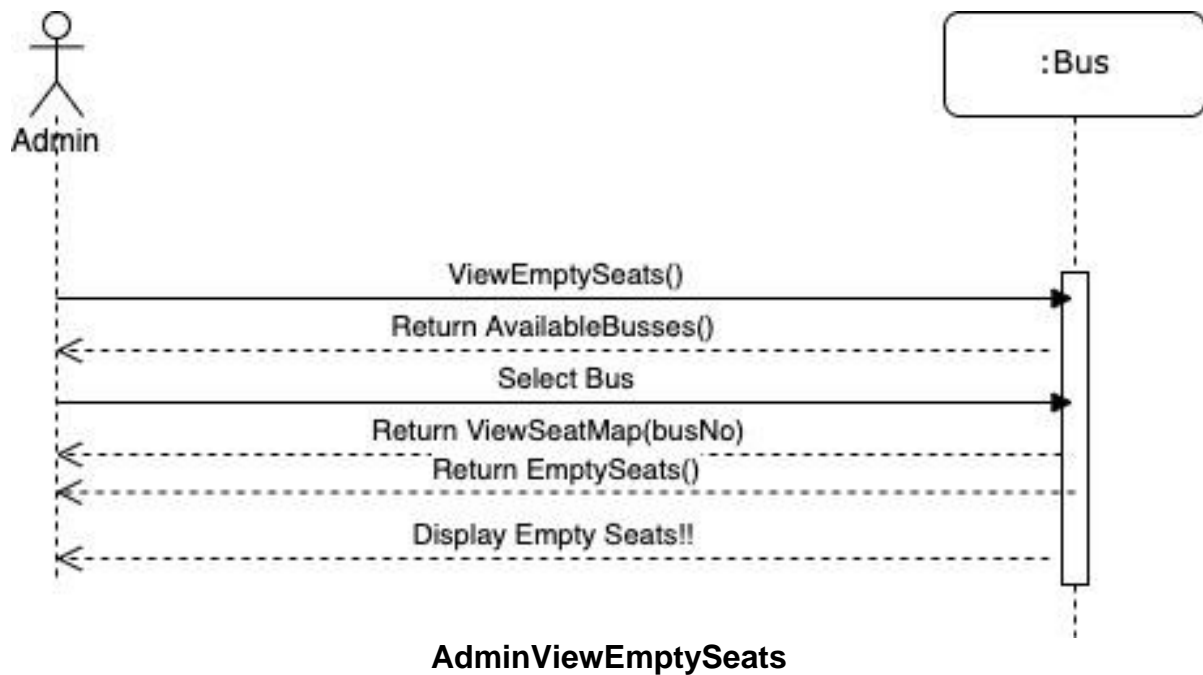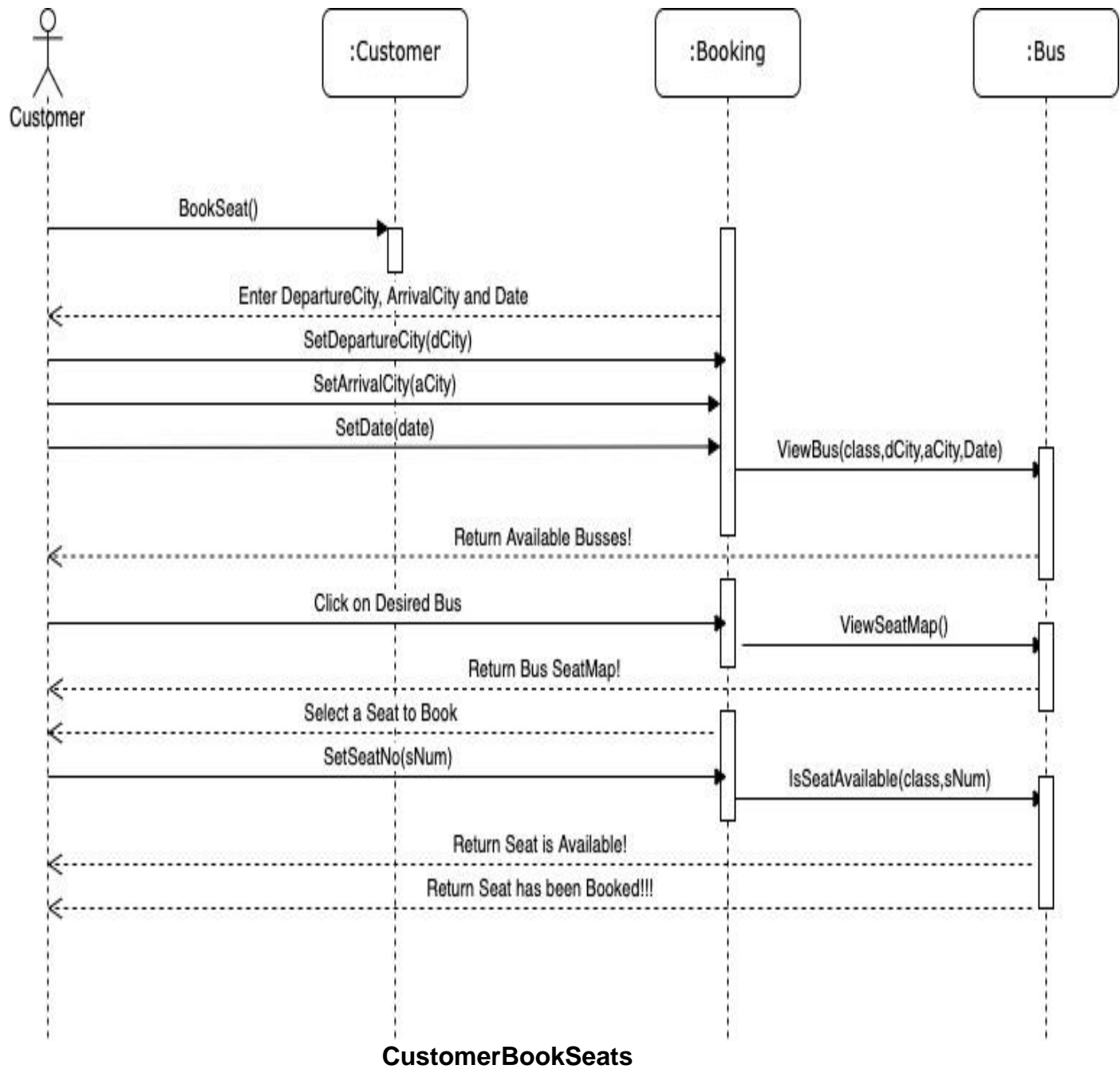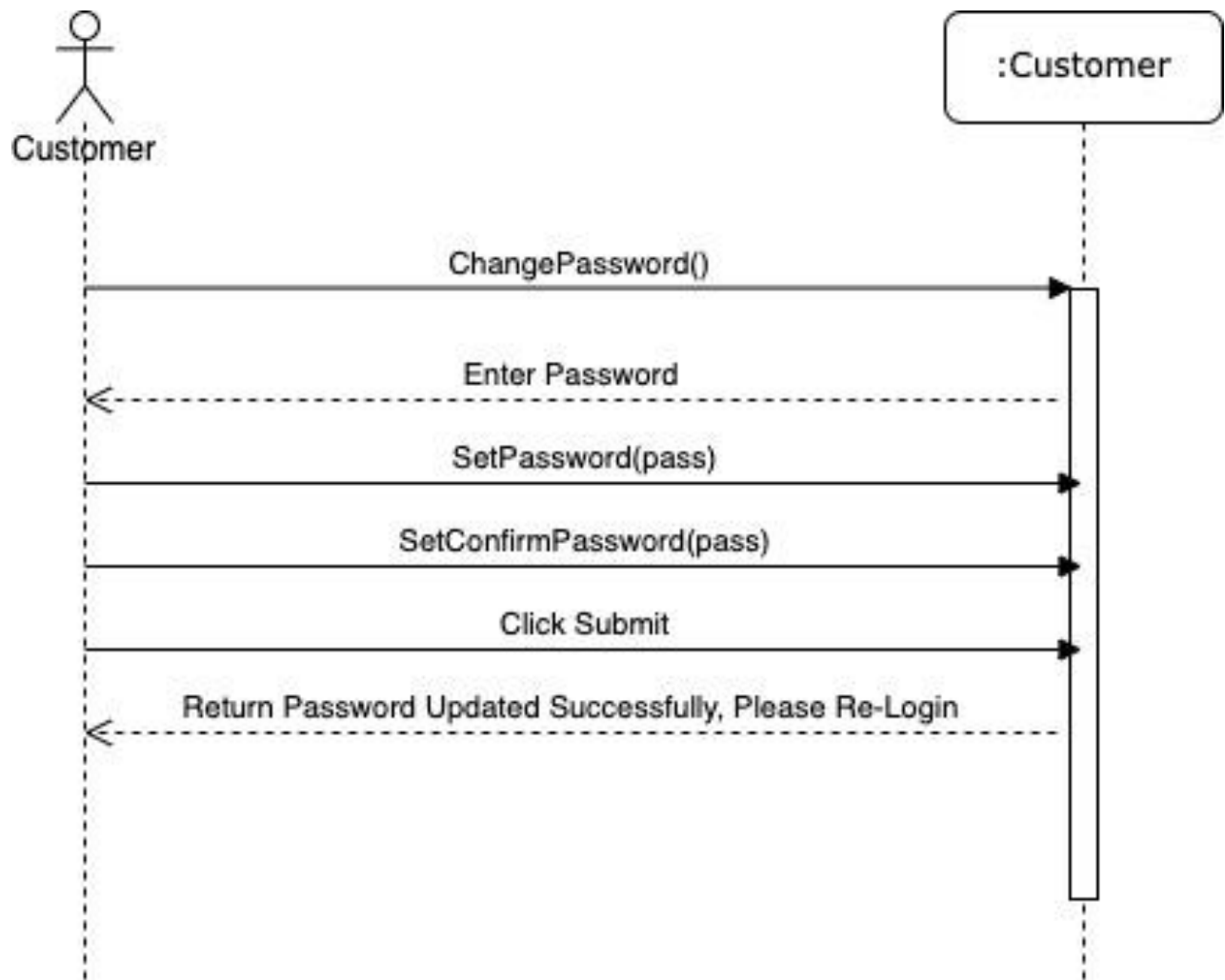
CustomerChangePassword

CustomerEditProfile

CustomerViewETicket

Login()

Enter PhoneNo and Password

SetPhoneNo(pNumber)

SetPassword(pword)

Return Login Successful
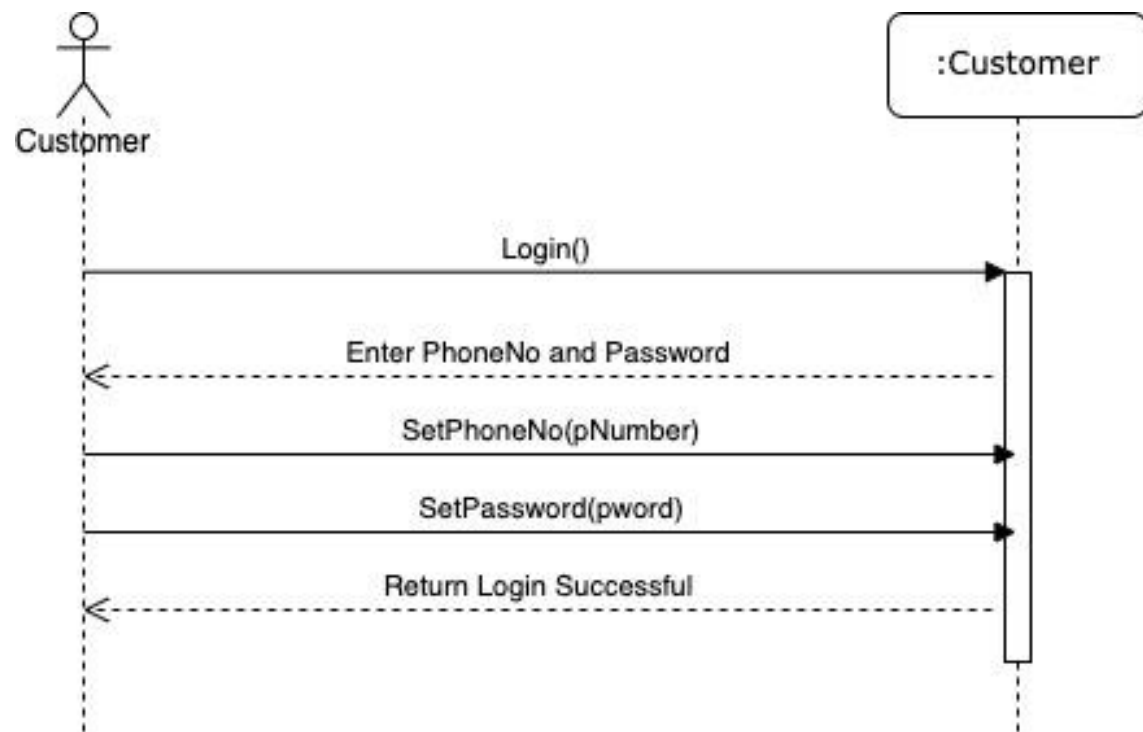
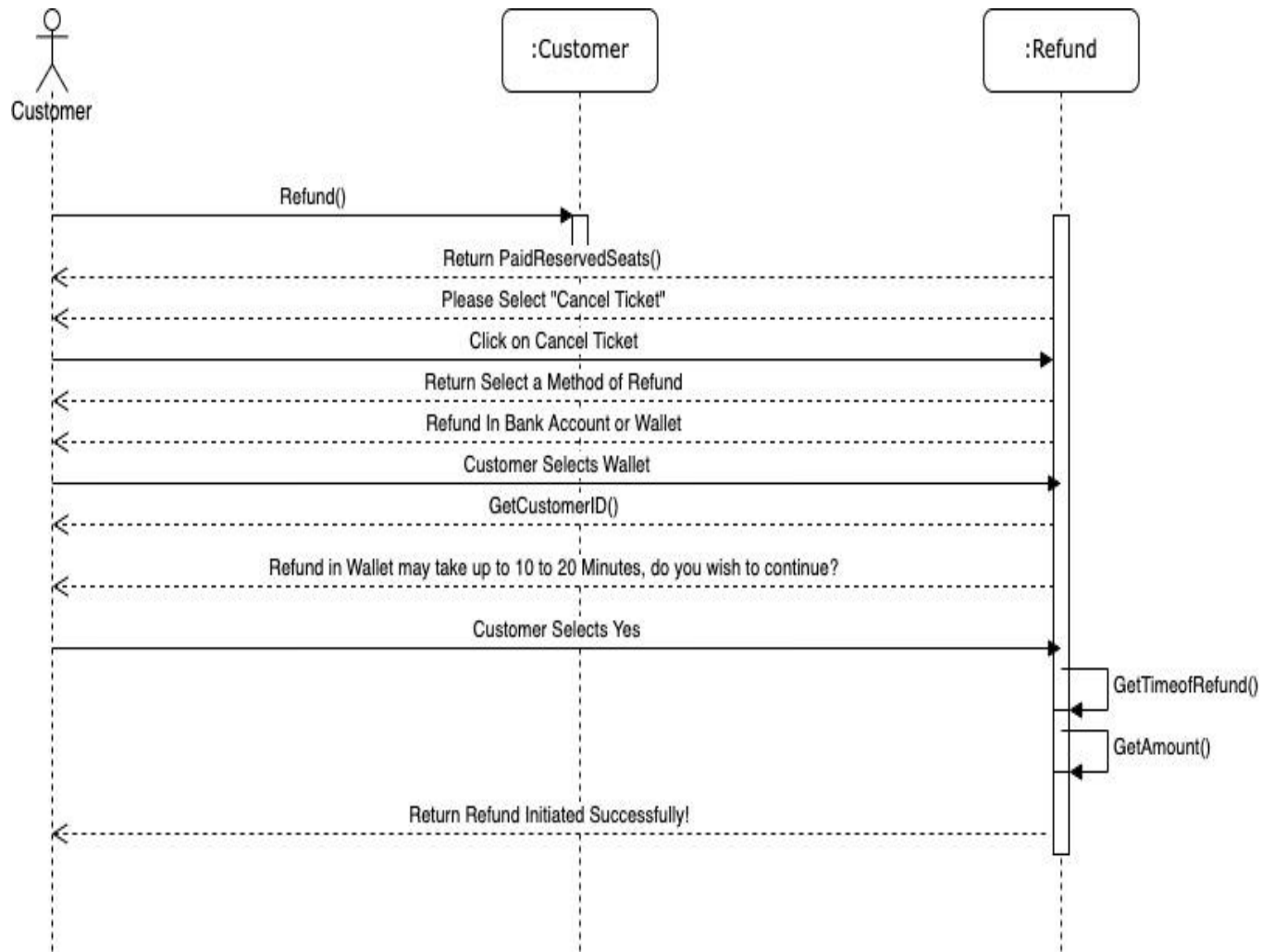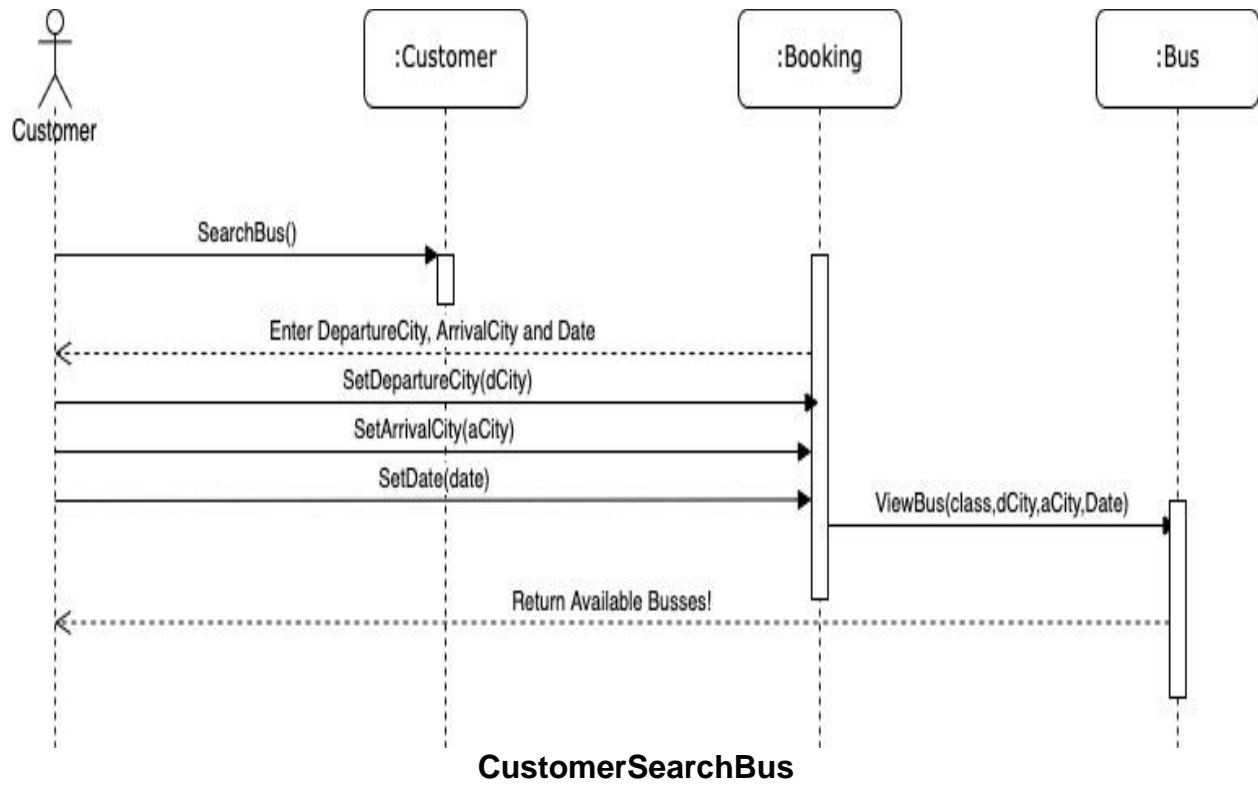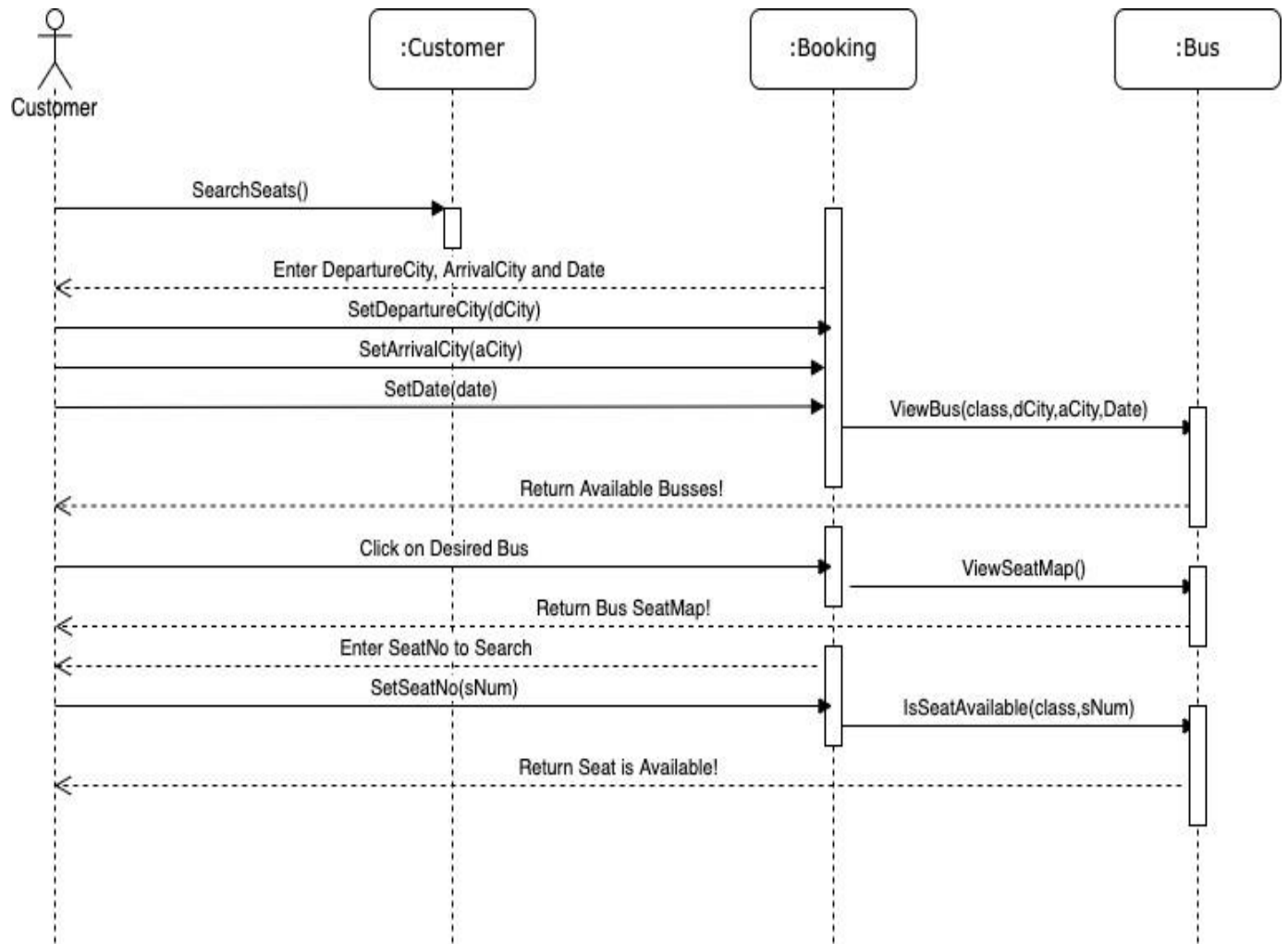**CustomerLogin**
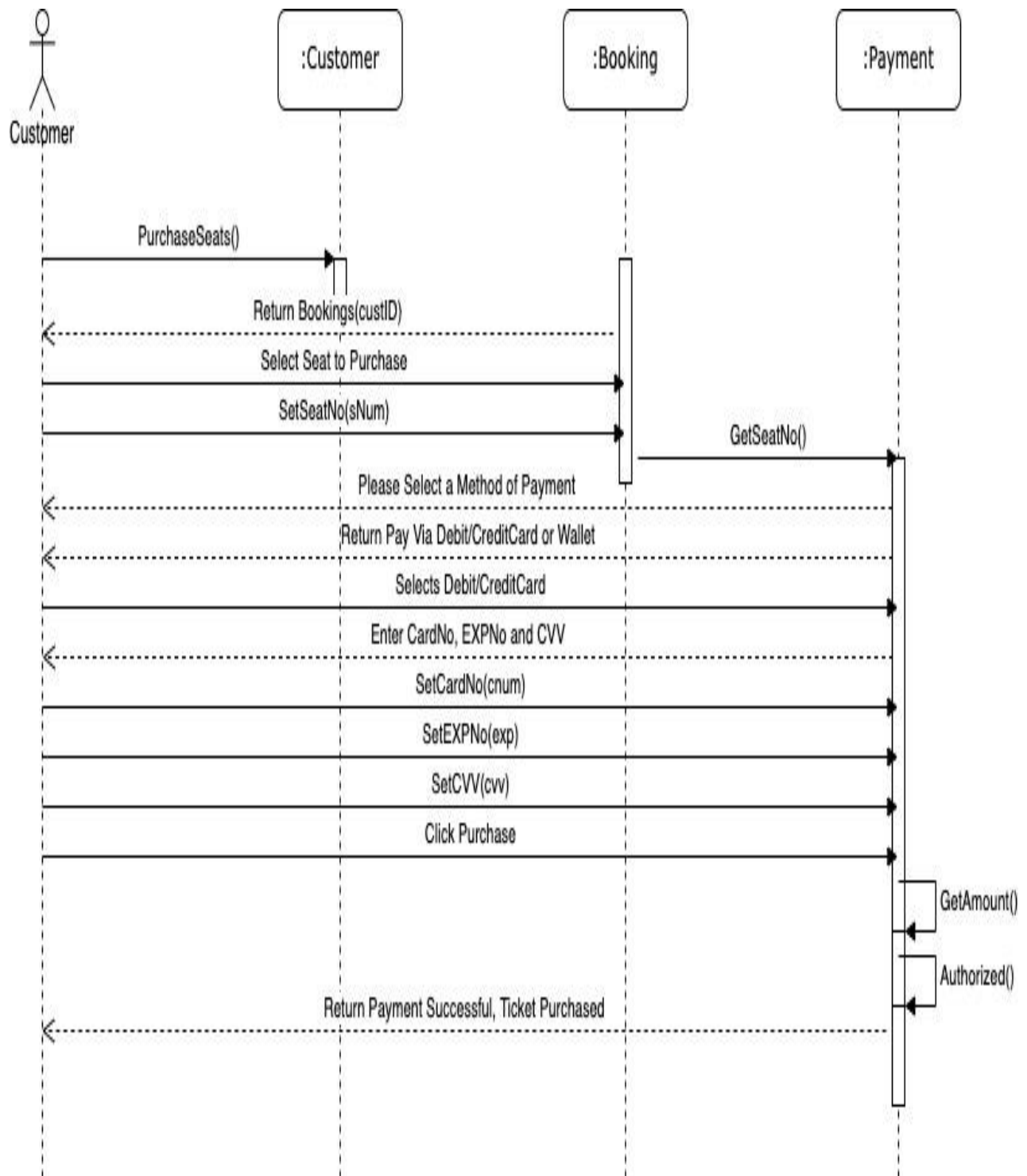
CustomerPurchaseSeats
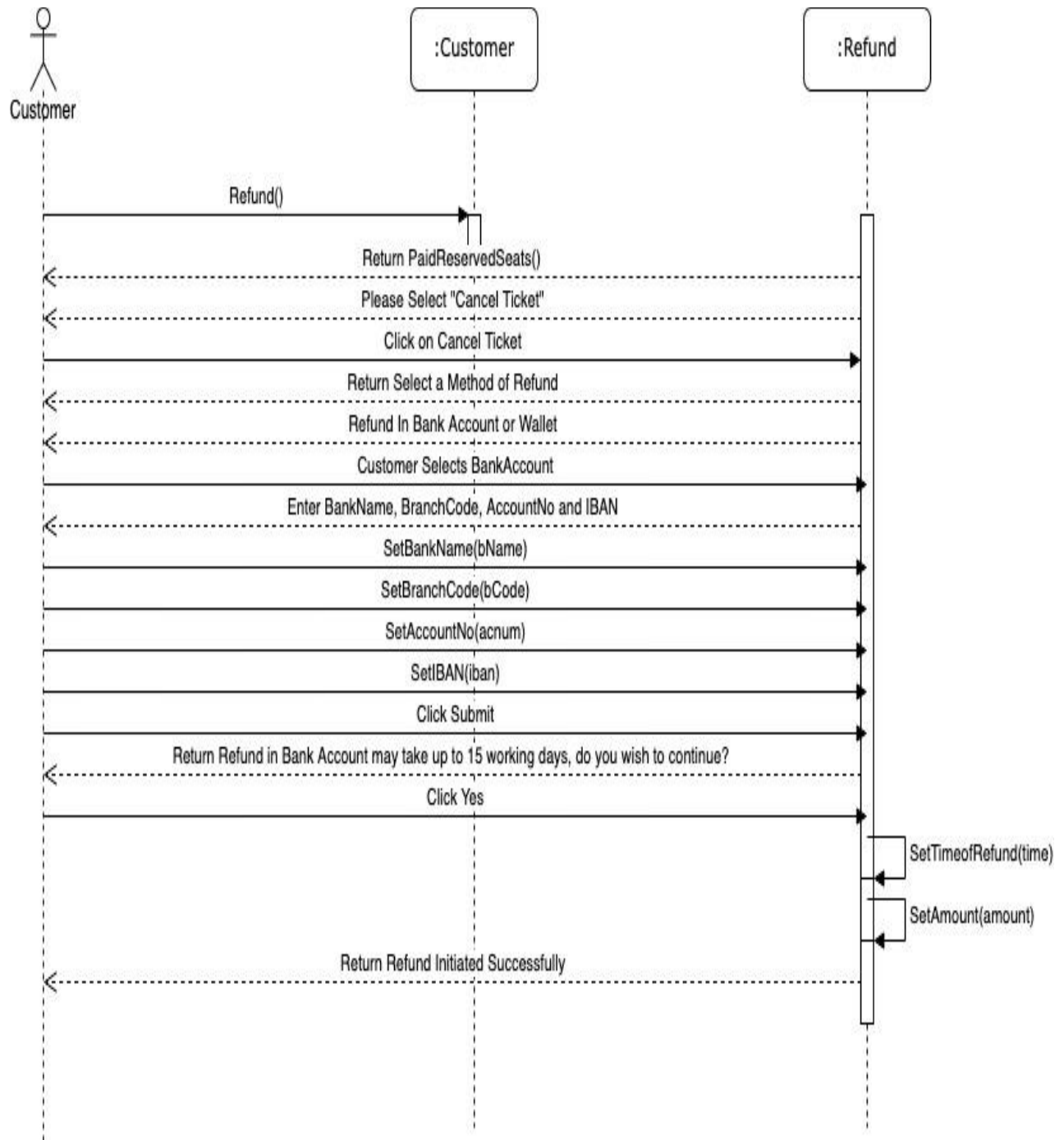
CustomerRefundinBank
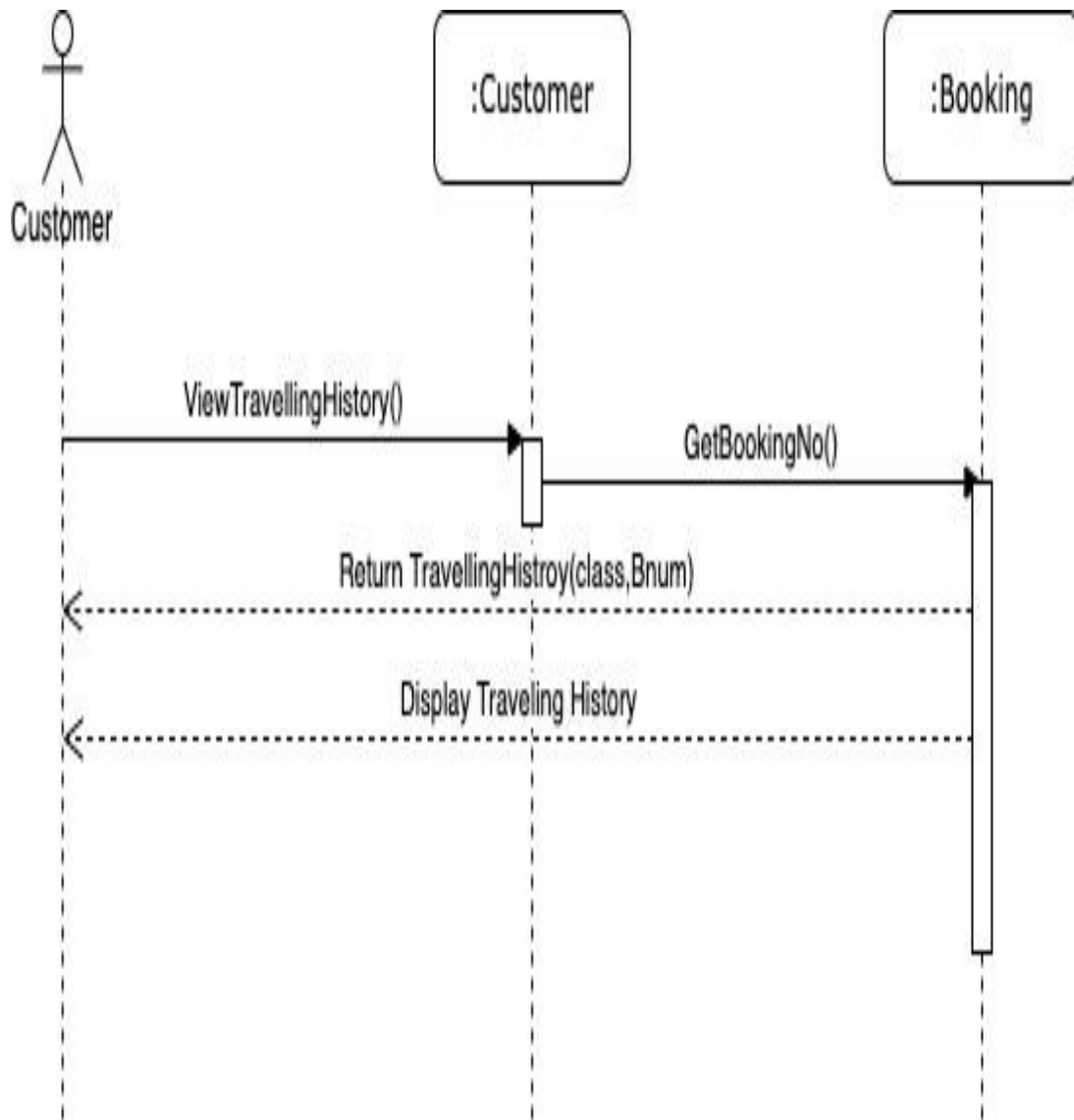
CustomerRefundinWallet

CustomerSearchBus

CustomerSearchSeats

CustomerSignup
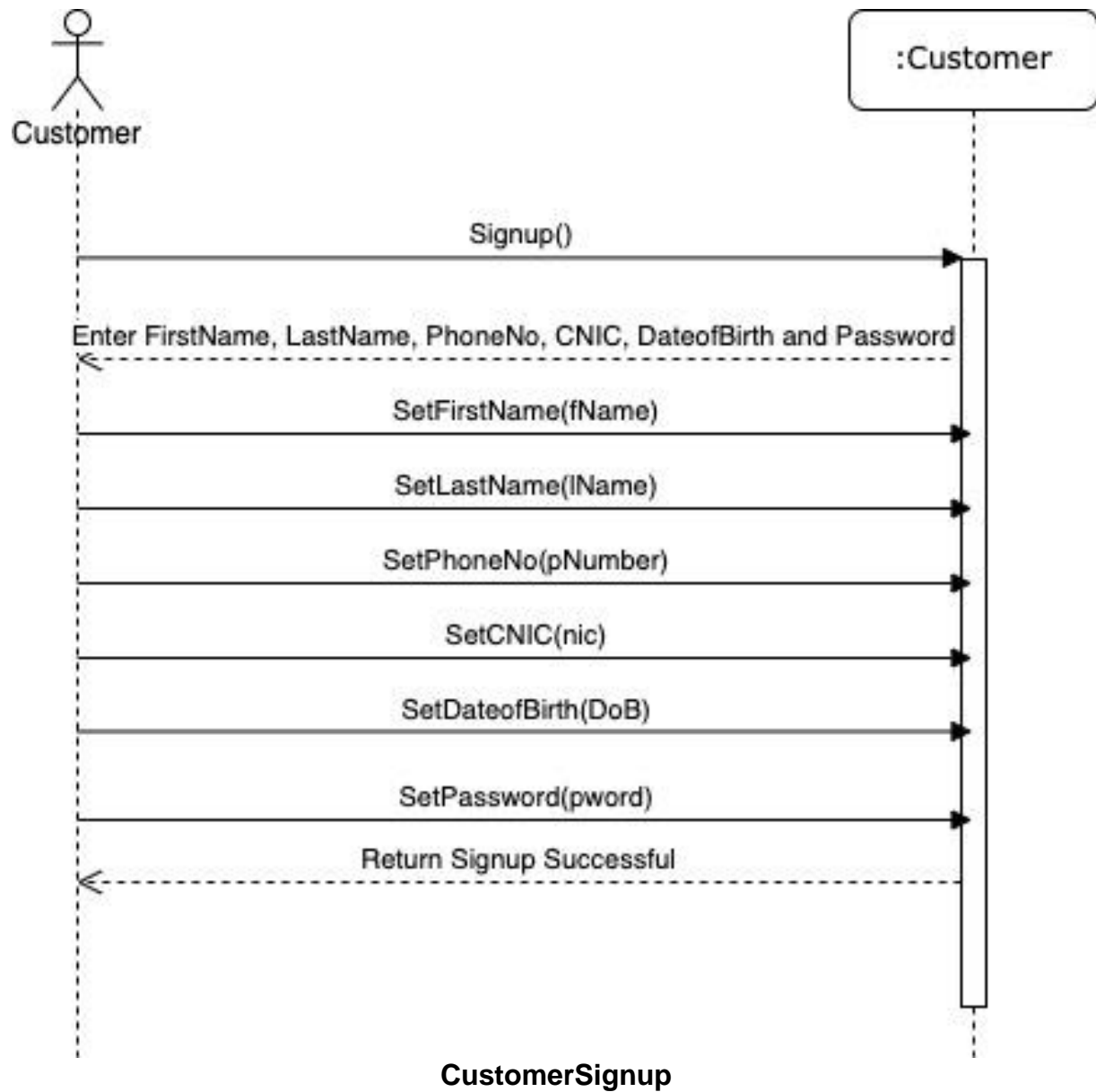
CustomerViewTravelingHistory