Ho Chi Minh University of Technology

Faculty of Computer Science and

Engineering

SOFTWARE ENGINEERING

Project report #

Sequence Diagram, Activity Diagram, State Diagram

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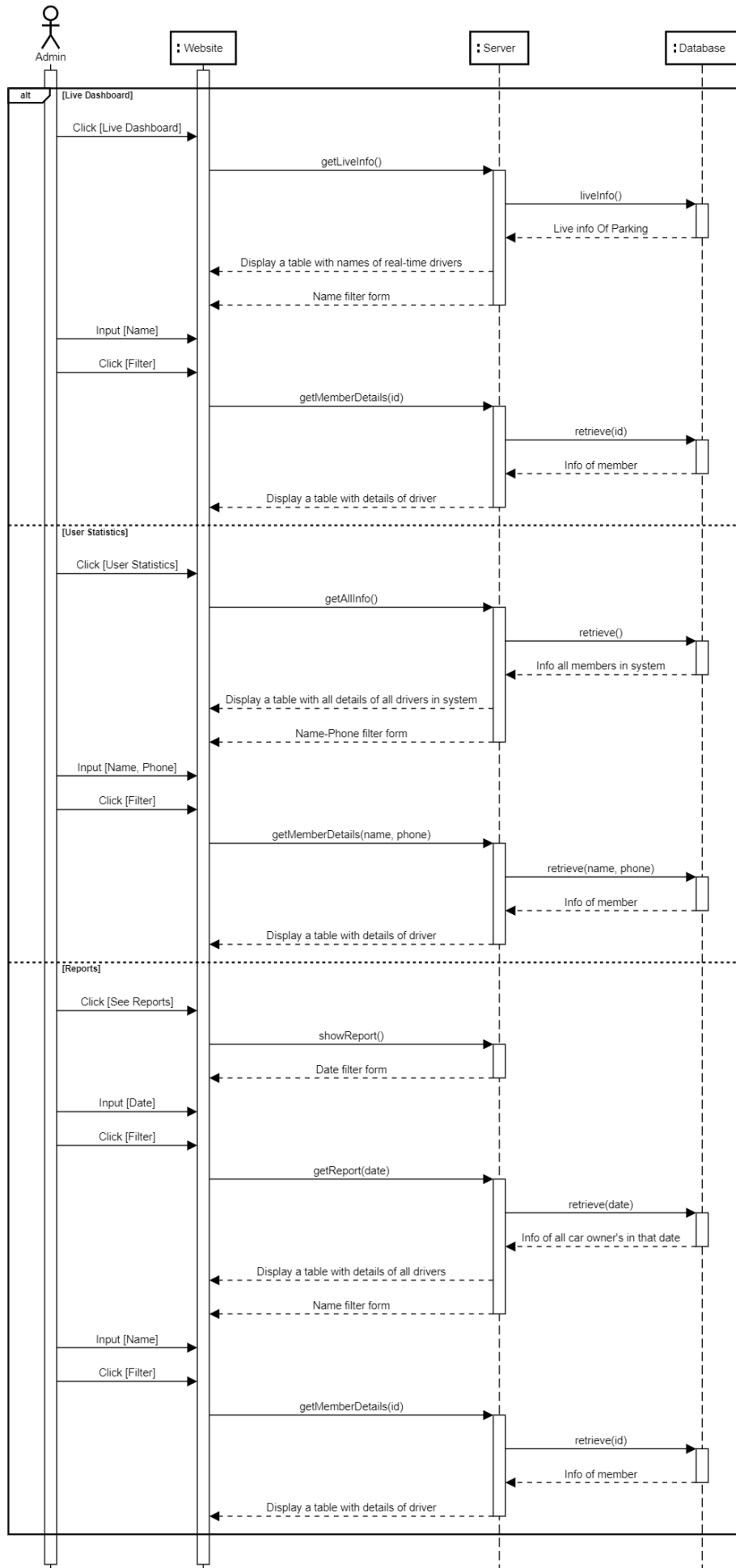**Student's ID**: 1752259

Project: Smart Parking

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1. Sequence diagram

The diagram shows use case "View user's profile"

View user's profile

```
         Admin          : Website              : Server            : Database

alt  [Live Dashboard]

     Click [Live Dashboard]
     ─────────────────────▶

                          getLiveInfo()
                          ──────────────────────▶
                                                   liveInfo()
                                                   ─────────────────▶
                                                   Live info Of Parking
                                                   ◀ - - - - - - - - -
                          Display a table with names of real-time drivers
                          ◀ - - - - - - - - - - - -
                                    Name filter form
                          ◀ - - - - - - - - - - - -

     Input [Name]
     ─────────────────────▶

     Click [Filter]
     ─────────────────────▶

                          getMemberDetails(id)
                          ──────────────────────▶
                                                   retrieve(id)
                                                   ─────────────────▶
                                                   Info of member
                                                   ◀ - - - - - - - - -
                          Display a table with details of driver
                          ◀ - - - - - - - - - - - -

     [User Statistics]

     Click [User Statistics]
     ─────────────────────▶

                          getAllInfo()
                          ──────────────────────▶
                                                   retrieve()
                                                   ─────────────────▶
                                                   Info all members in system
                                                   ◀ - - - - - - - - -
                          Display a table with all details of all drivers in system
                          ◀ - - - - - - - - - - - -
                                    Name-Phone filter form
                          ◀ - - - - - - - - - - - -

     Input [Name, Phone]
     ─────────────────────▶

     Click [Filter]
     ─────────────────────▶

                          getMemberDetails(name, phone)
                          ──────────────────────▶
                                                   retrieve(name, phone)
                                                   ─────────────────▶
                                                   Info of member
                                                   ◀ - - - - - - - - -
                          Display a table with details of driver
                          ◀ - - - - - - - - - - - -

     [Reports]

     Click [See Reports]
     ─────────────────────▶

                          showReport()
                          ──────────────────────▶
                                    Date filter form
                          ◀ - - - - - - - - - - - -

     Input [Date]
     ─────────────────────▶

     Click [Filter]
     ─────────────────────▶

                          getReport(date)
                          ──────────────────────▶
                                                   retrieve(date)
                                                   ─────────────────▶
                                                   Info of all car owner's in that date
                                                   ◀ - - - - - - - - -
                          Display a table with details of all drivers
                          ◀ - - - - - - - - - - - -
                                    Name filter form
                          ◀ - - - - - - - - - - - -

     Input [Name]
     ─────────────────────▶

     Click [Filter]
     ─────────────────────▶

                          getMemberDetails(id)
                          ──────────────────────▶
                                                   retrieve(id)
                                                   ─────────────────▶
                                                   Info of member
                                                   ◀ - - - - - - - - -
                          Display a table with details of driver
                          ◀ - - - - - - - - - - - -
```

2. Activity diagram

The diagram shows the task of editing the user's profile of user
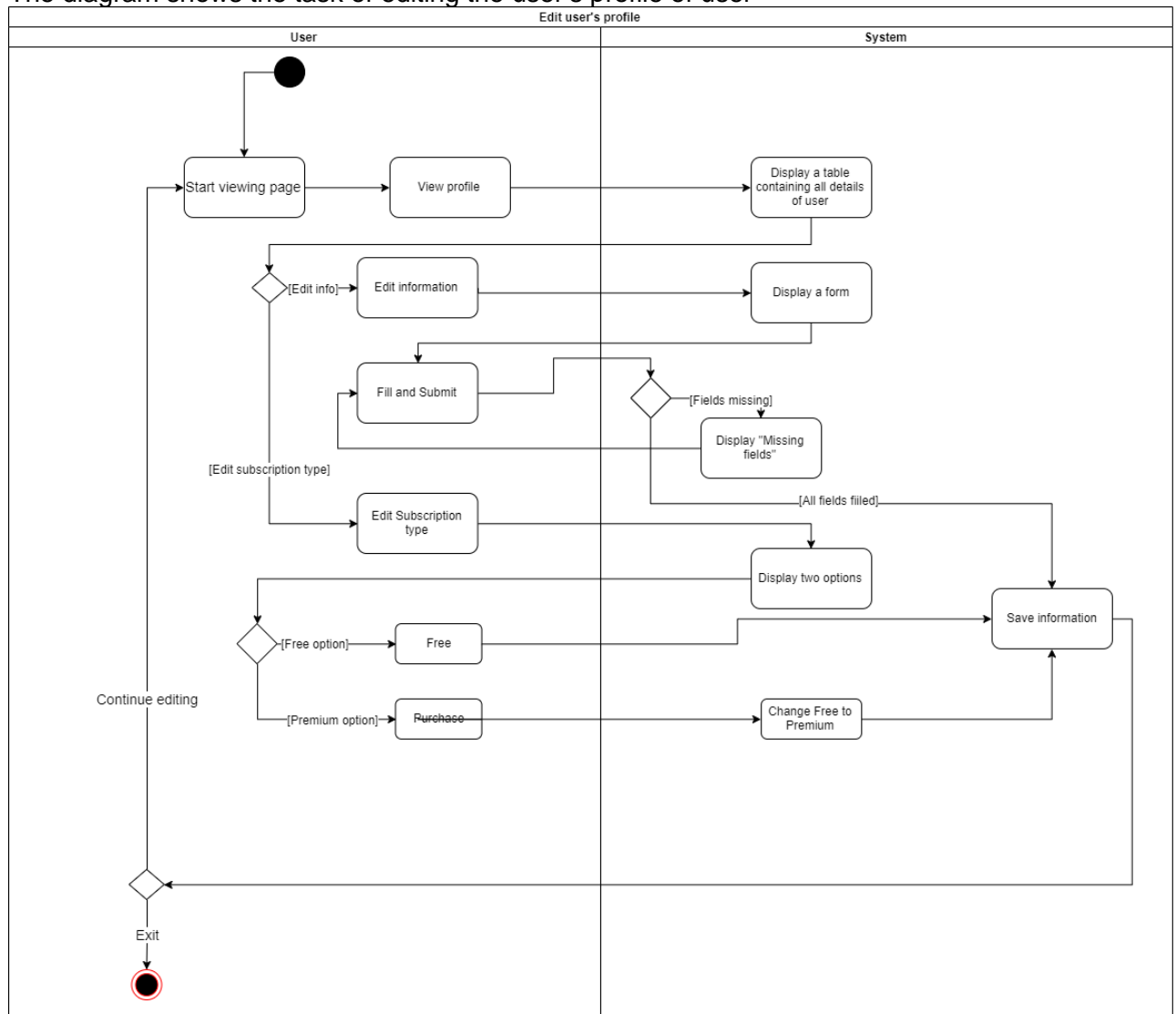
3. State diagram

State diagram for online payment system.