Software Construction And Development

Project Artifact(07)

Submitted by:

Mahboob Rasheed (55434)

Ahmad Aziz (55223)

Asadullah(55181)
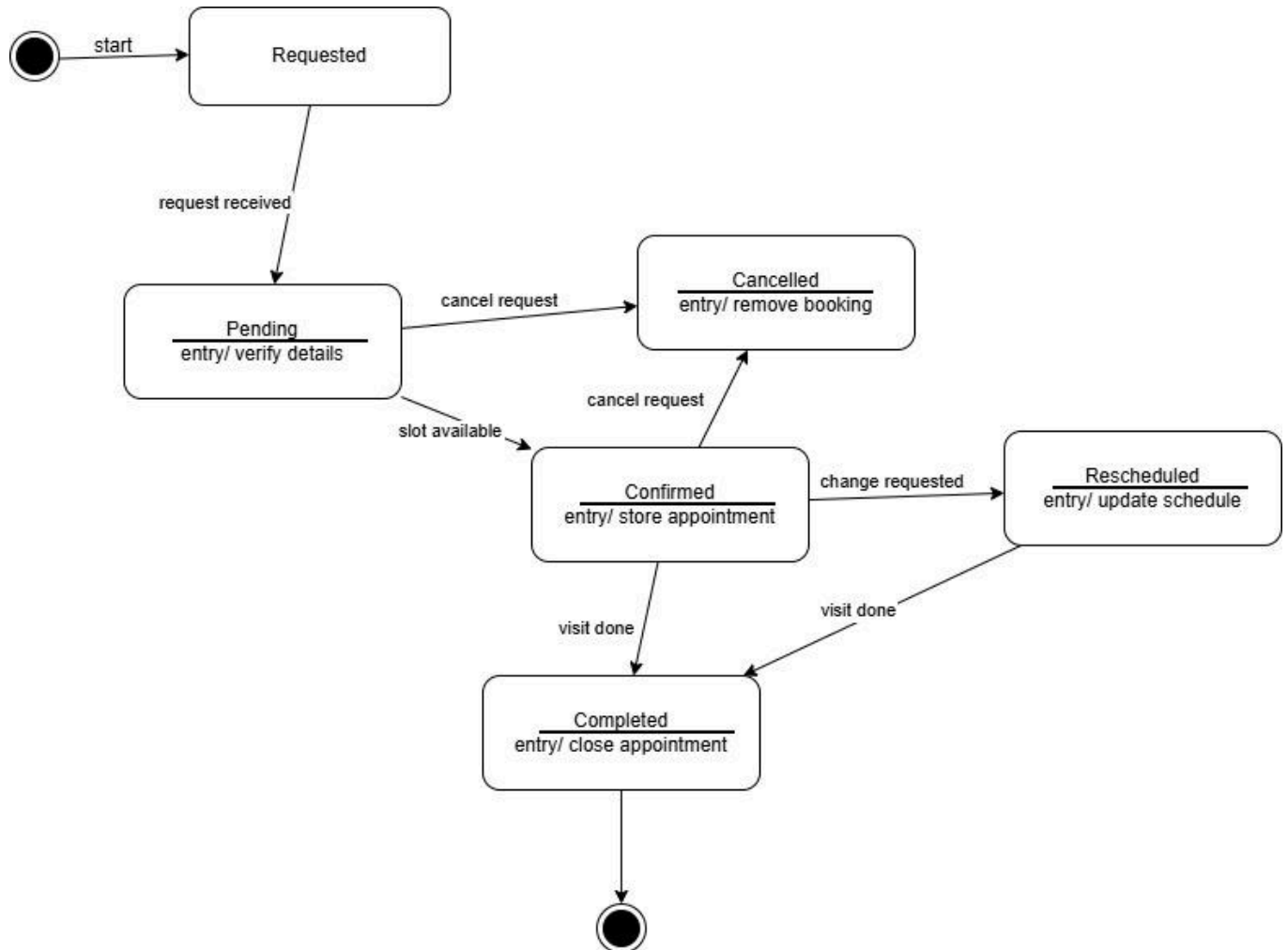
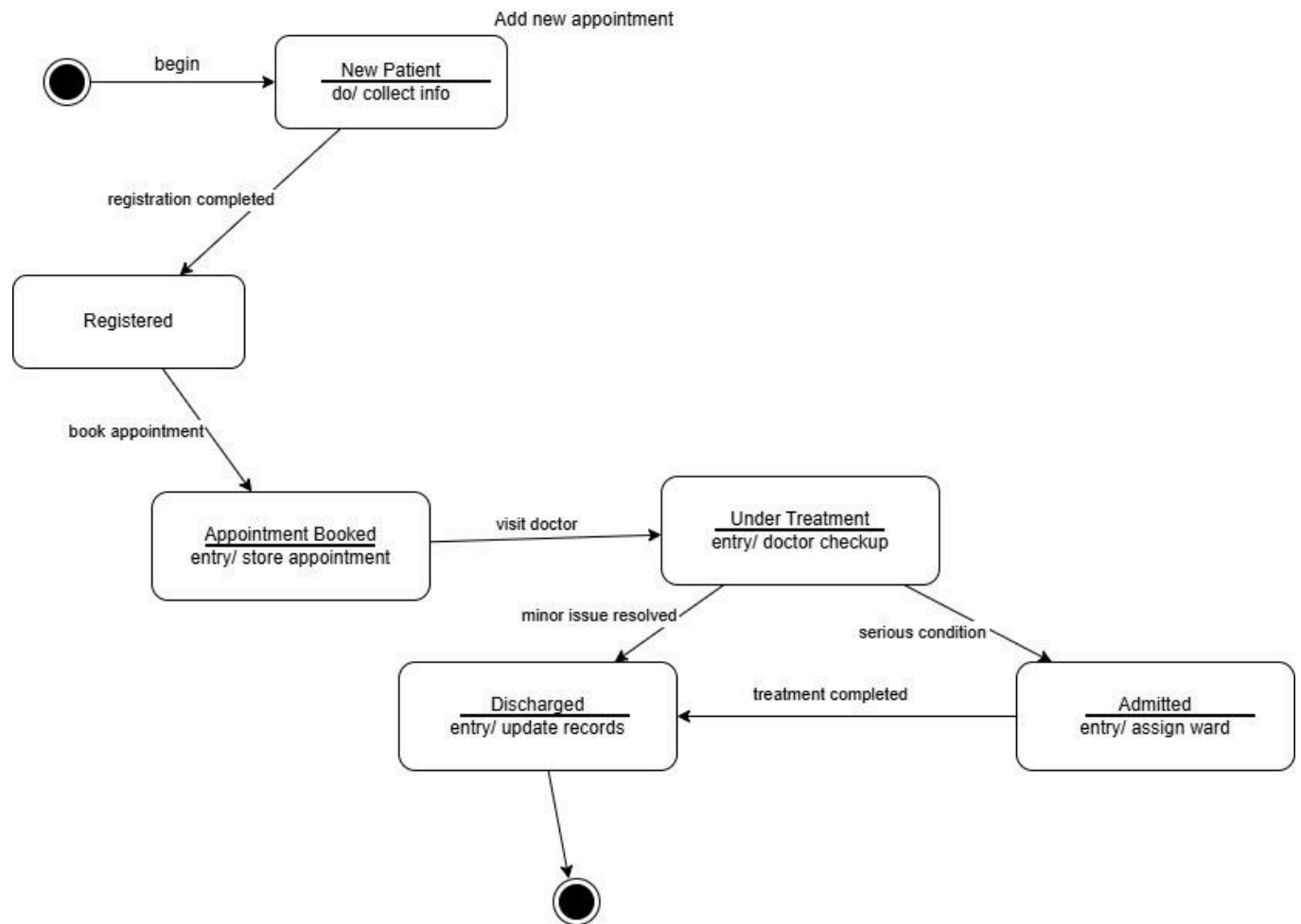Section SE(5-2)

Submitted to:

Sir/Mr. Muhammad Islam Abbasi

Faculty of Computing

RIPHAH International University Islamabad

1. Appointment Statechart Diagram:

start → Requested

request received

Pending
entry/ verify details

cancel request →

Cancelled
entry/ remove booking

slot available

cancel request

Confirmed
entry/ store appointment

change requested →

Rescheduled
entry/ update schedule

visit done

visit done

Completed
entry/ close appointment

2. Patient Statechart Diagram:

Add new appointment

```
 ●  --- begin --->  New Patient
                    do/ collect info
```

registration completed

Registered

book appointment

| Appointment Booked | --- visit doctor ---> | Under Treatment |
| entry/ store appointment | | entry/ doctor checkup |

minor issue resolved

serious condition

| Discharged | <--- treatment completed --- | Admitted |
| entry/ update records | | entry/ assign ward |

●

Receptionist Statechart Diagram:
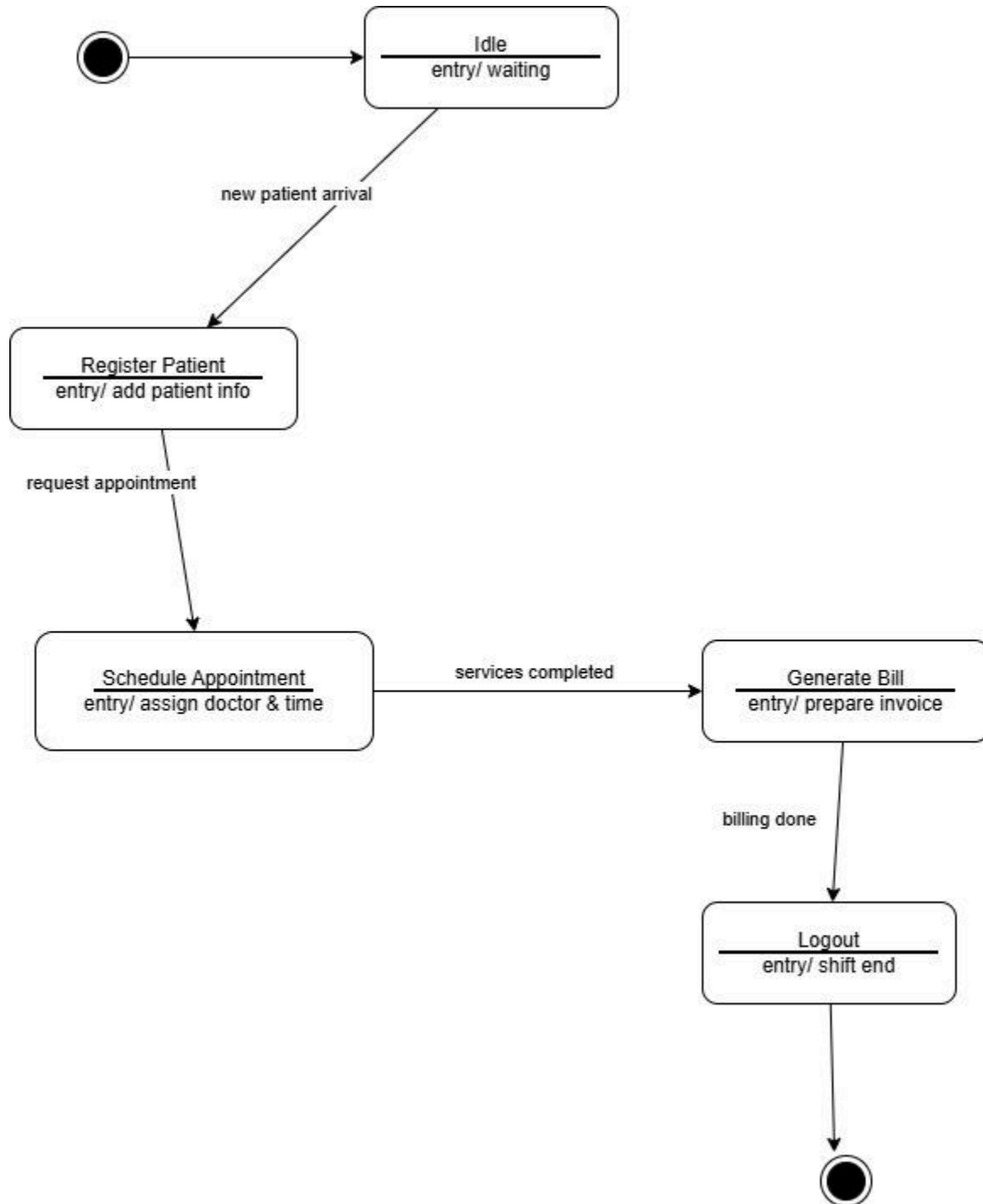
Hospital Statechart Diagram: