Ho Chi Minh University of Technology
Faculty of Computer Science and Engineering

SOFTWARE ENGINEERING
Project report #2

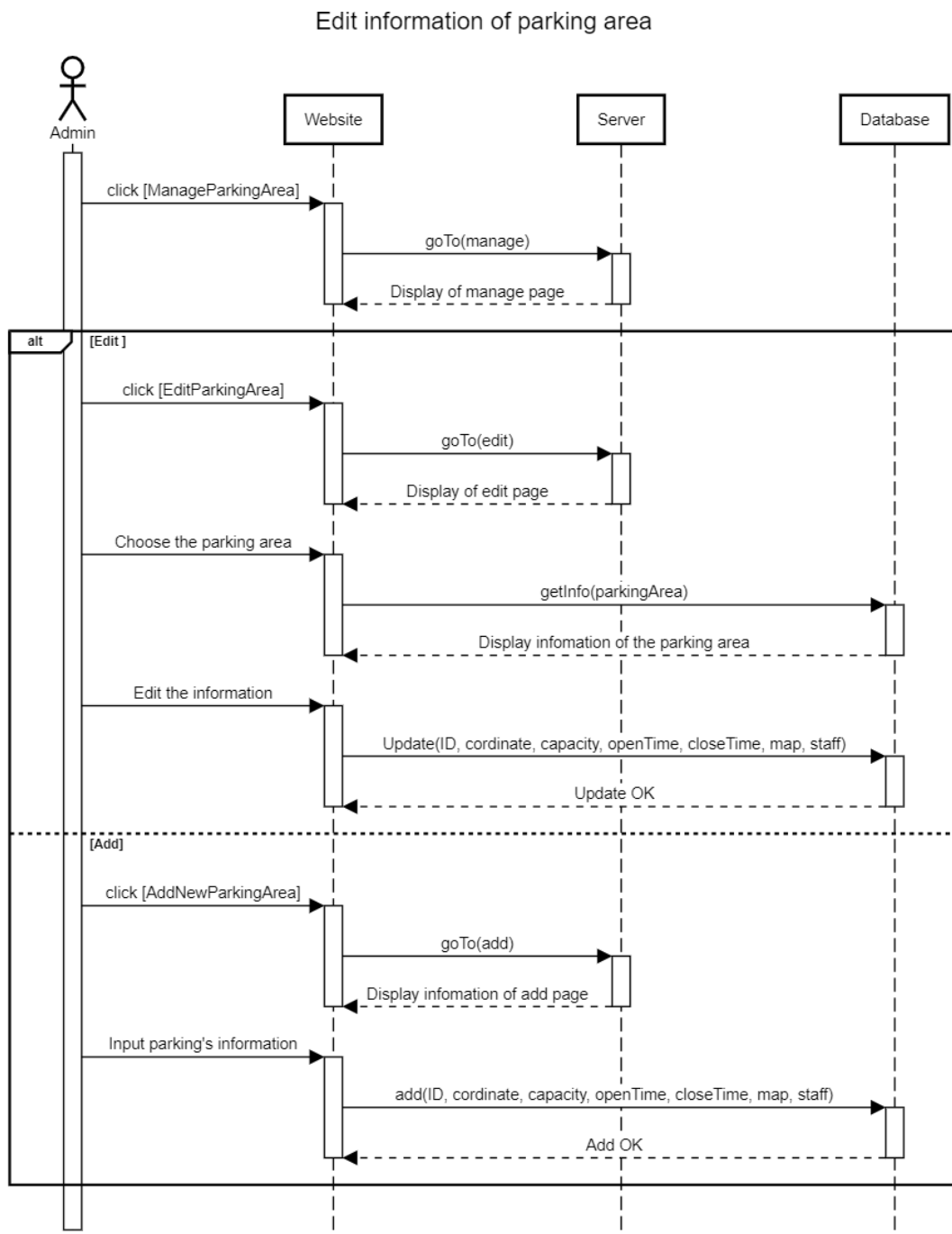**Sequence Diagram, Activity Diagram, State Diagram**

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Project: Smart Parking

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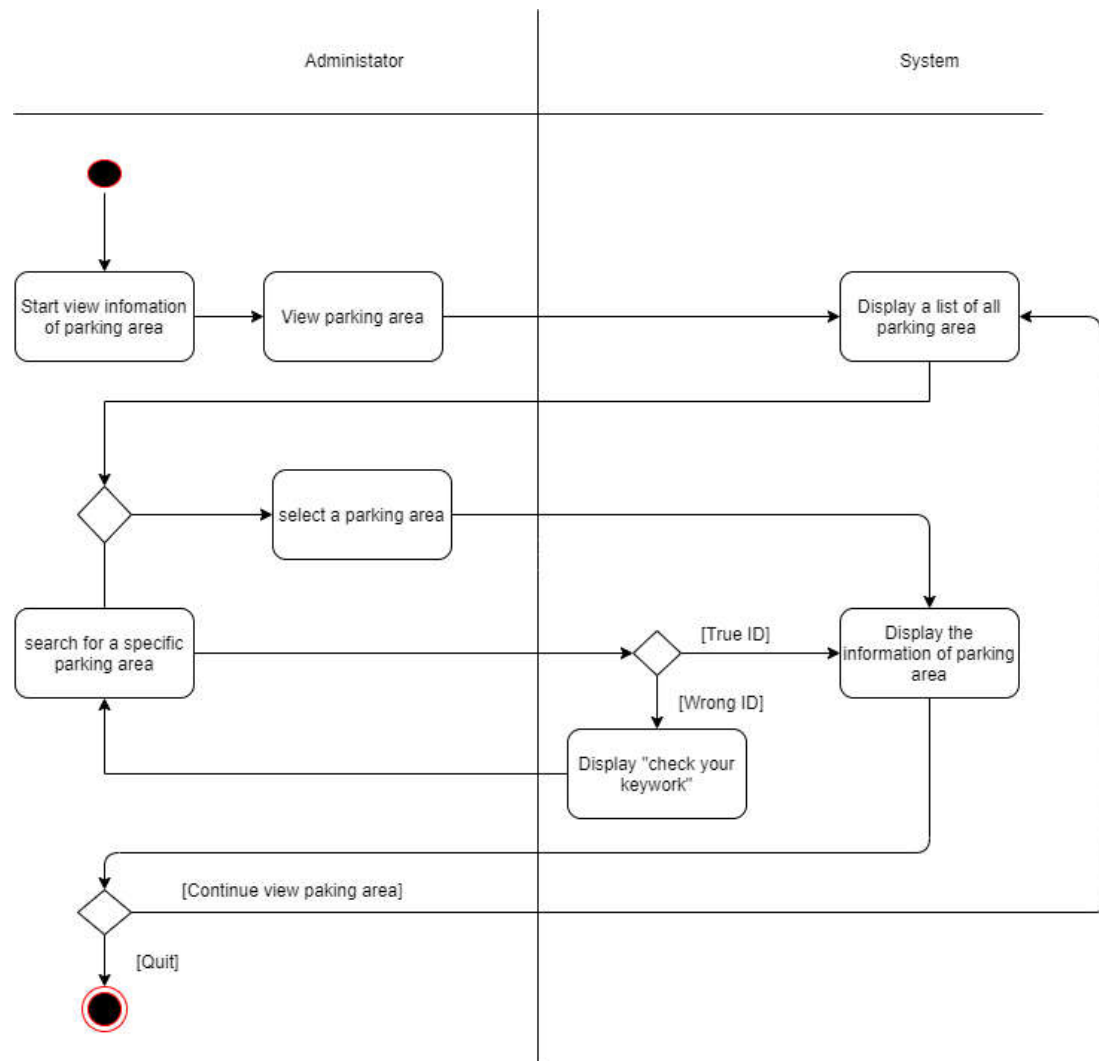
1. Sequence Diagram:

The diagram shows use case "Edit information of parking areas"

Edit information of parking area

2. **Activity Diagram:**

The diagram shows the task of viewing the parking area information of Administrator

3. State Diagram:

State diagram for online booking system.

Waiting	**Checking**	**Disabled**
Do: Display the booking main page	Do: Check for empty spot	Enter: change "customer stage" to disable
		Do: Display "No more slot"

start booking → empty spot = 0 →

empty spot > 0

Go to queue

Enabled	**Queuing**
Enter: change "customer stage" to enable	Enter: enqueue customer into waiting queue
Do: Display "Ready to book"	Exit: dequeue
	Do: waiting in queue

have an empty spot

Book a spot

Booking
Do: get place
Exit: set place

Start again

Set parking time

Set time
Do: get time
Exit: set time

Update time

Cancel

Book successfull

Waiting
Do: Display the booking main page