CptS 583 Software Quality

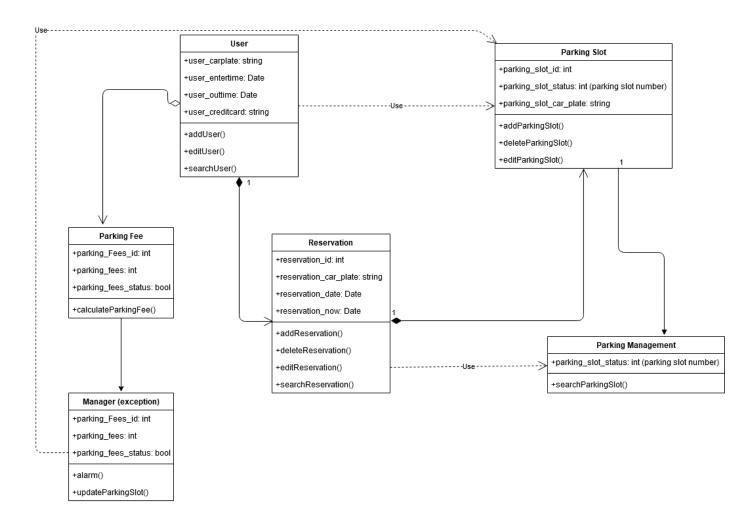
Team: SKS- SPS quality

Instructor: Haipeng Cai

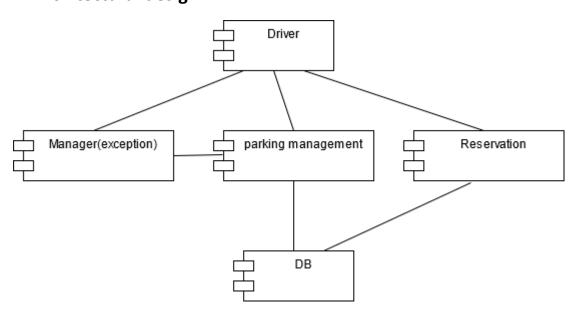
Team members:

Hsueh-Jen Lih, Guang-Zheng Lee, Hsuan-Yu Chen, Ping-Wen Chen

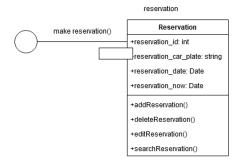
1. Elaborated design classes



2. Architectural design



3. Elaborated Component Diagram



Parking Management +parking_slot_status: int (parking slot number) +searchParkingSlot()

Parking Slot
+parking_slot_id: int
+parking_slot_status: int (parking slot number)
+parking_slot_car_plate: string
+addParkingSlot()
+deleteParkingSlot()
+editParkingSlot()



Parking Fee
+parking_Fees_id: int
+parking_fees: int
+parking_fees_status: bool
+calculateParkingFee()

user
+user_entertime: Date
+user_outtime: Date
+user_creditcard: string

+addUser()
+deleteUser()
+editUser()
+searchUser()



Parking Management
+parking_slot_status: int (parking slot number)
+searchParkingSlot()

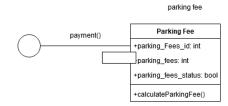
Parking Fee

+parking_Fees_id: int

+parking_fees: int

+parking_fees_status: bool

+calculateParkingFee()



Manager (exception)

+parking_Fees_id: int

+parking_fees: int

+parking_fees_status: bool

+alarm()

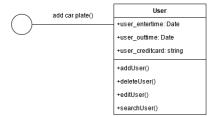
+updateParkingSlot()

+user_entertime: Date
+user_outtime: Date
+user_creditcard: string

+addUser()
+deleteUser()
+editUser()
+searchUser()



User
+user_entertime: Date
+user_outtime: Date
+user_creditcard: string
+addUser()
+deleteUser()
+editUser()
+searchUser()



Parking Slot
+parking_slot_id: int
+parking_slot_status: int (parking slot number)
+parking_slot_car_plate: string
+addParkingSlot()
+deleteParkingSlot()
+editParkingSlot()
+editParkingSlot()

Parking Fee
+parking_Fees_id: int
+parking_fees: int
+parking_fees_status: bool
+calculateParkingFee()