

## Android Parking Booking System.

### <Search Slot System>

TEAM: 9 in SWE, CAUCSE 2021.

### <Domain Model>

#### # Responsibility

#### UC-1 SearchSlot

Responsibility Description	Type	Concept Name
Coordinate actions of all concepts associated with this use case, a logical grouping of use cases, or the entire system and delegate the work to other concepts.	D	Controller
Manage whether the slots are empty or not.	D	CheckEmpty
Container for date, time, rental time which customer entered.	K	Time
Container for slot's data, such as location, identifier number, timestamp, etc.	K	Slot
Container for map's data, such as exit, entrance, way, slots, etc.	K	Map
Container for customer's Information.	K	PersonallInfo

### UC-2 SelectTime

Responsibility Description	Type	Concept Name
Coordinate actions of all concepts associated with this use case, a logical grouping of use cases, or the entire system and delegate the work to other concepts.	D	Controller
Input the data of time from the user.	D	InputTime
Check if the input is correct for the parking lot's business hours.	D	TimeChecker
Container for date, time, rental time which customer entered.	K	Time

### UC-3 ShowSlot

Responsibility Description	Type	Concept Name
Coordinate actions of all concepts associated with this use case, a logical grouping of use cases, or the entire system and delegate the work to other concepts.	D	Controller
Load the internal map of the parking lot which the customer chose.	D	LoadMap
Show the internal map of the parking lot which shows empty slots.	D	ShowMap
Container for slot's data, such as location, identifier number, timestamp, etc.	K	Slot

### # Traceability Matrix - Use Case -> Domain Model

Use cas e	P W	Domain Concepts
UC1 UC2 UC3 UC4		