**Bay**: a space for Users to put them car in for later operations.

**Guide system**: a system which guides User on the parking process.

**Instruction sign**: physical signs which guides User to put cars.

**Membership**: a User who has membership means his/her information is partially in the system and is given coupon to.

**Member Card**: a card using RFID to verify membership for each member.

**Member ID**: a unique series of number on Member Card to identify each member.

**Parking area**: the parking lot, machines, space used in this parking system.

**Parking process**: for which process, User’s car is automatically parked.

**Payment method**: different way to pay parking fee.

**Puzzle Automated Parking System(PAPS)**: the strategy used for the system to move the car, including both software(algorithms) and physical facilities.

**Parking spot**: an area in parking lot where one car is positioned.

**Restricted area**(bay): an area in bay where car must be correctly put in.

**User**: drivers who use this parking area.

**Real-time tracking system**: a system established to track status of vehicles in parking space at real time.