Table 1. Dock

#	PK	FK	Column name	Data type	Default value	Mandatory	Description
1	X		id	int		X	auto- increment
2			name	varchar(40)		X	
3			address	text		x	
4			area	double		X	
5			numOfAvailableBikes	int	0	X	
6			numOfEmptyPoints	int		x	

## Table 2. Bike Types

#	PK	FK	Column name	Data type	Default value	Mandatory	Description
1	X		id	bigint		X	auto- increment
2			licensePlate	varchar(10)		X	
3			barCode	char(12)		X	

## Table 3. Bike

#	PK	FK	Column name	Data type	Default value	Mandatory	Description
1	x		id	int		X	auto- increment
2			licensePlate	varchar(10)		X	
3			barCode	char(12)		X	
4		X	dockId	int			refers to the dock the current bike is in

5	X	typeId	int	X	refers to the type of the
					bike
6		price	bigint	X	
7		remainingBattery	int		used for e- bike only

## Table 4. RentalInfo

#	PK	FK	Column name	Data type	Default value	Mandatory	Description
1	X		id	int		X	auto- increment
2		X	bikeId	int		X	the rented bike id
3		X	rentDockId	int		х	the dock that the bike initially belongs to
4		X	returnDockId	int		X	the dock that the bike is returned to
5			rentStartTime	timestamptz	now()	X	
6			rentEndTime	timestamptz			
7			depositAmount	bigint		X	
8			rentalFee	bigint		X	

**Table 5. Transaction** 

#	PK	FK	Column name	Data type	Default value	Mandatory	Description
1	X		id	int		X	auto- increment
2			content	text		X	
3			amount	bigint		x	
4			timeCreated	timestamptz	now()	x	