Homework 2

Payment gate

Registred user

- Transaction sent
- Transaction result recieved
- Payment successful?
- Yes
- No
- Payment failed
- Generate bill
- Bill DB
- Choose amount of prepaid KMs to buy
- 2 minutes
- Resolve issue
- 1 hour
- Issue sent
- For safety reasons locks bike after 5 minutes
- Bike rented

Pickup bike
- Unlock bike
- Ride bike
- Bike picked up
- 5 minutes
- Lock bike
- Bike not picked up
- Unlock again?
- Yes
- No
- Bike not rented
- Bike not picked up
- Request new pickup

- User have enough prepaid KMs?
- No
- Yes
- Login
- Tries to resolve issue with payment

Unregistred user

- Is user registered?
- No
- Register user
- Bike rental initiated
- Select bike

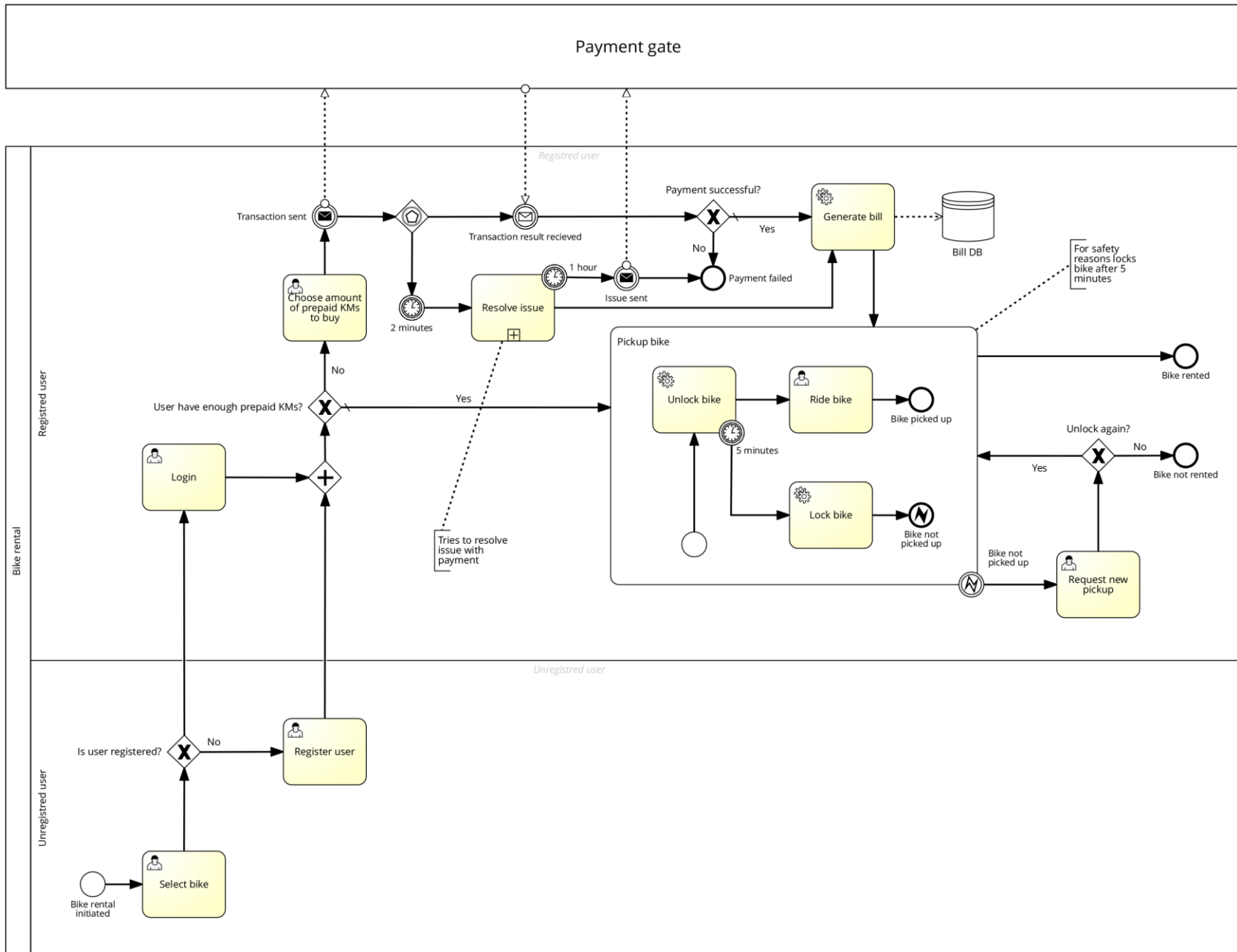## Process: Bike rental from bikesharing

When customer want to rent bicycle from bikesharing system. System allows him to select desired vehicle and register (if customer is not registered), then he is able to rent this bike if he has enough prepaid km.

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Result: 12