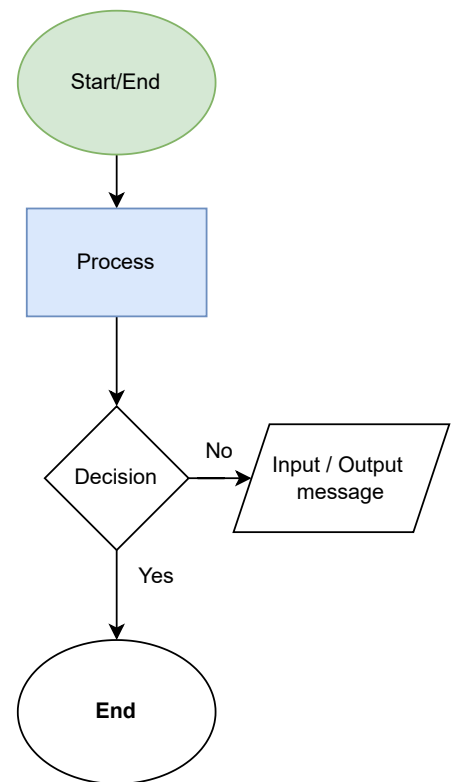
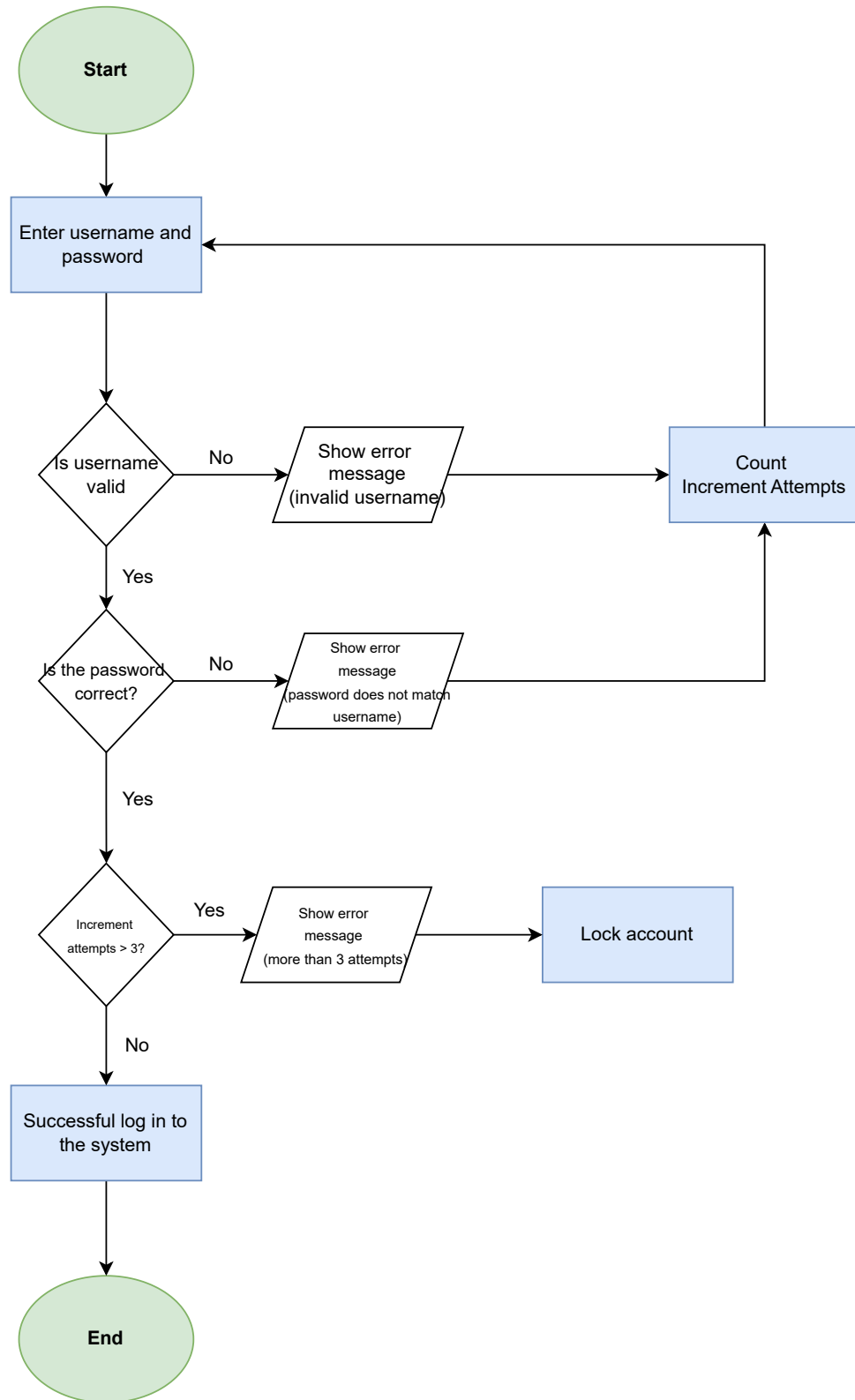


## OUTLINE

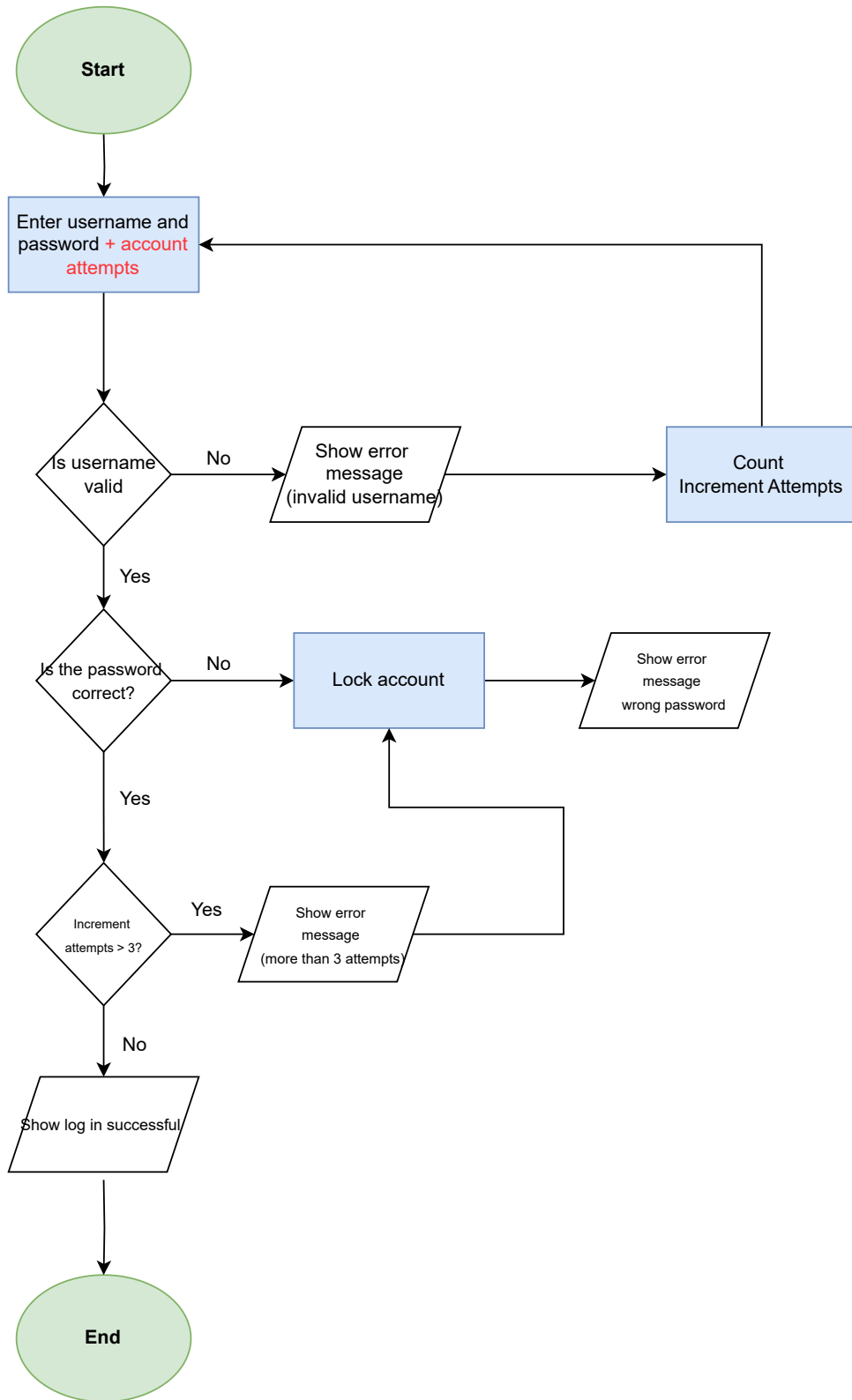


Submit 2 formats  
- Draw.io format  
- PDF format

## OWN ANSWER : USERNAME + PW



## ACTUAL ANSWER





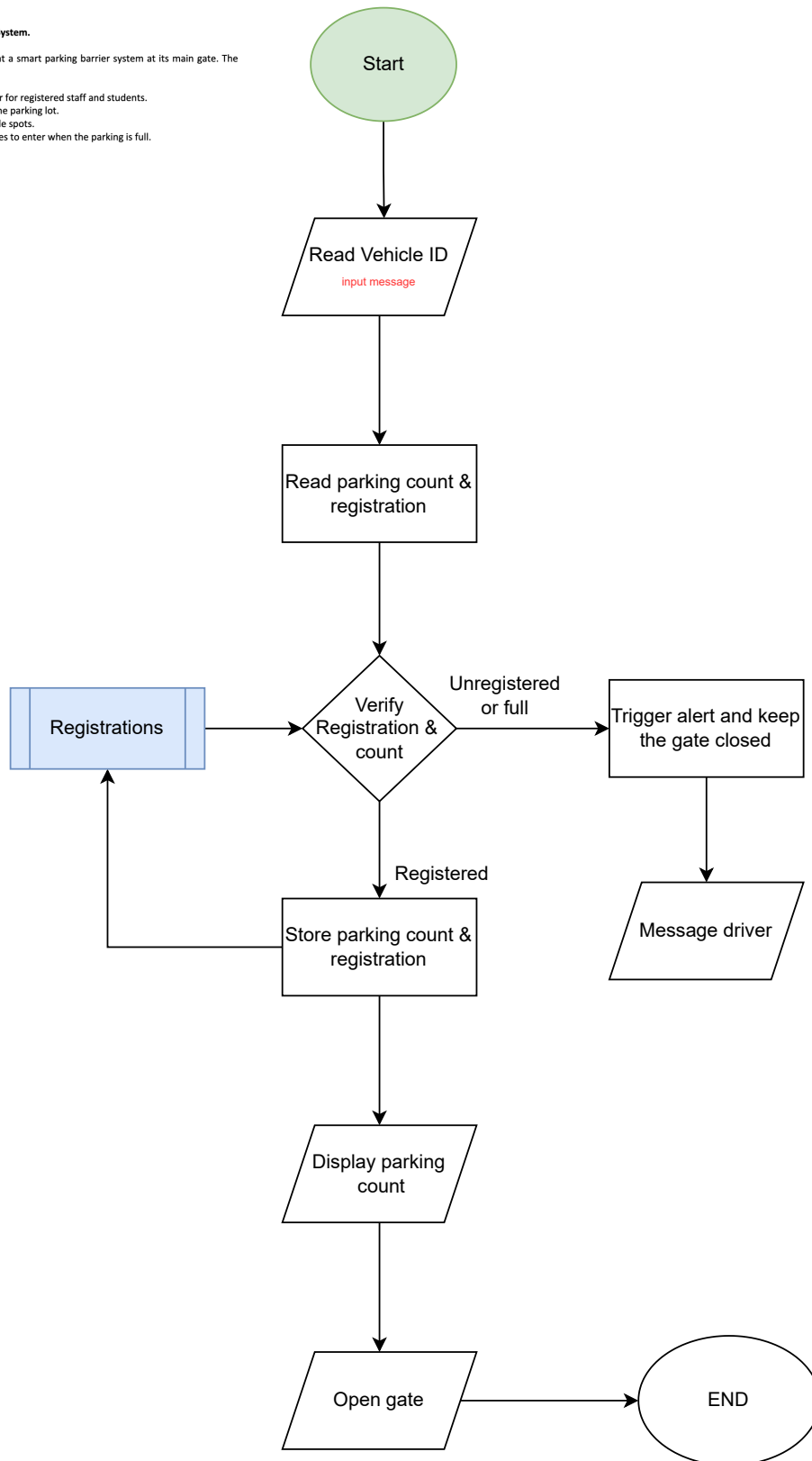


# Automated Parking Management System Solution Provided

## Background: Smart Parking Barrier System.

A local university wants to implement a smart parking barrier system at its main gate. The system should:

- Automatically open the barrier for registered staff and students.
- Count the number of cars in the parking lot.
- Display the number of available spots.
- Trigger an alert if someone tries to enter when the parking is full.



# Automated Parking Management System

## Own Try Approach

### Background: Smart Parking Barrier System.

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Parameter	Type	Units (Variable Type)
Max Capacity	Constant	100 vehicles
Current Count	Variable	75 vehicles
Vehicle ID Input	Input	A12345
Is it Registered?	Decision	Yes/No
Barrier Control	Output	Open/Close
Display Available	Output	25 spaces available
Alert Trigger	Output	ON/OFF

2 inputs before a car enters

- registered vehicle
- non full parking lot

