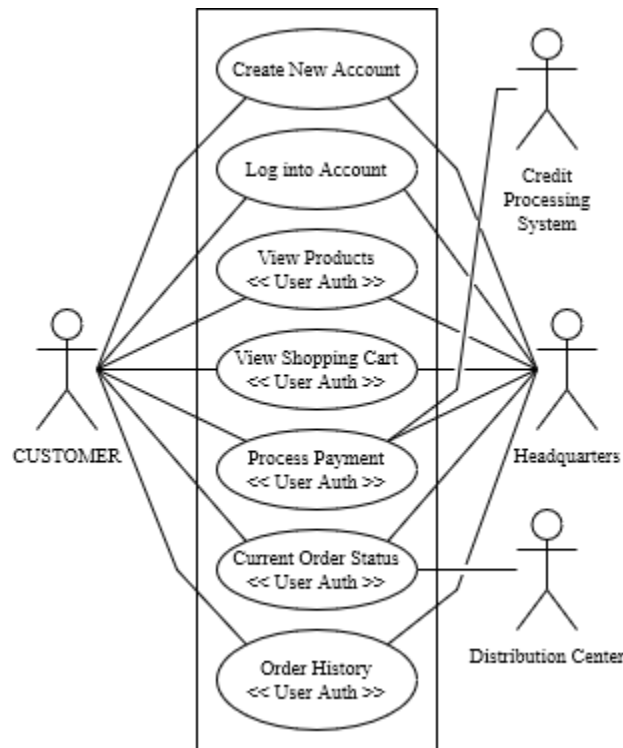


Assignment #2

1) High-Level Use Case:



Note: This Use Case diagram was made under the assumption that all customers must be authorized to purchase the products supplied by the company; meaning that the supplies are NOT available to the general public.

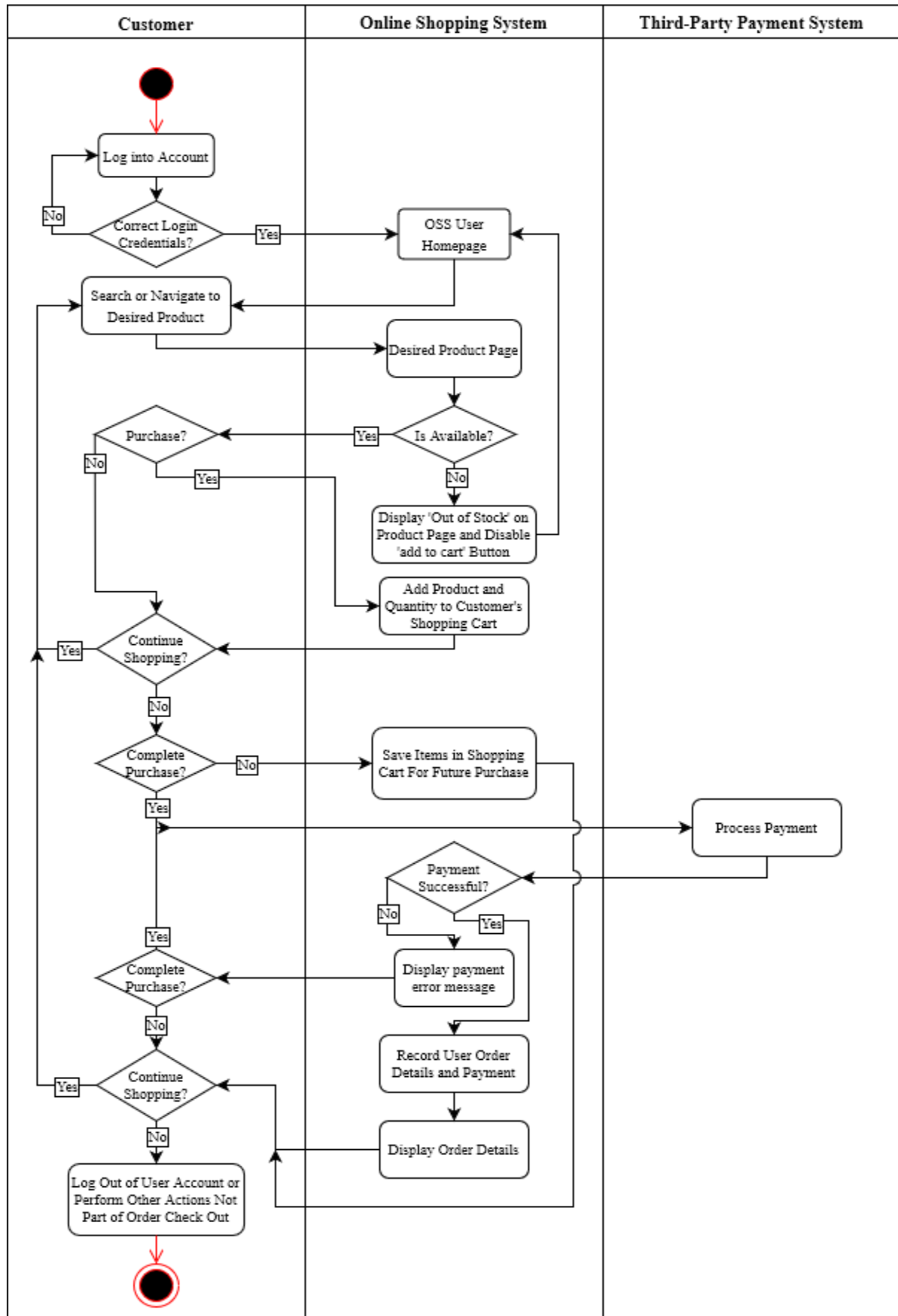
2) Risk Matrix

| | Negligible | Marginal | Critical | Catastrophic |
|----------|------------|----------|----------|--------------|
| Certain | | | | |
| Likely | | R8 | R7 | |
| Possible | R1 | | R2, R6 | R4, R5 |
| Unlikely | | | R3 | R9 |
| Rare | | | | |

Note: Online Ordering System is abbreviated as OOS.

- R1: Users' Internet access dies in middle of account creation, login, or payment processing.
- R2: OOS's external access disconnected, misconfigured, or upgrade/update issue.
- R3: OOS's connection to remote distribution center(s) is disconnected/interrupted.
- R4: Complete power outage of the data center.
- R5: External Credit Processing System unresponsive.
- R6: Any Database issues.
- R7: Any Hardware failures with the server hosting the OOS.
- R8: External Malicious attacks against the OOS (unsuccessful and/or mitigated).
- R9: External Malicious attacks against the OOS (successful).

3) Activity Diagram



4) Domain Object Model

