

## ICS 499: Capstone Sprint 0 Evaluation

### Introduction:

This assignment was designed as a team building exercise. It used to be done in the 1<sup>st</sup> class, but I had to modify it slightly since the course went online.

### Team Name and Team Working Agreement

I gave you full credit if you came up with a team name and developed your team working agreement. Consider referring to them if things are not going well.

### State Diagram Grading Heuristics:

There will be a lot of modeling in this class. We will talk more about it next week, but for now, you should be able to take a stab at a state diagram for a checking account. I gave you full credit if you met the following conditions:

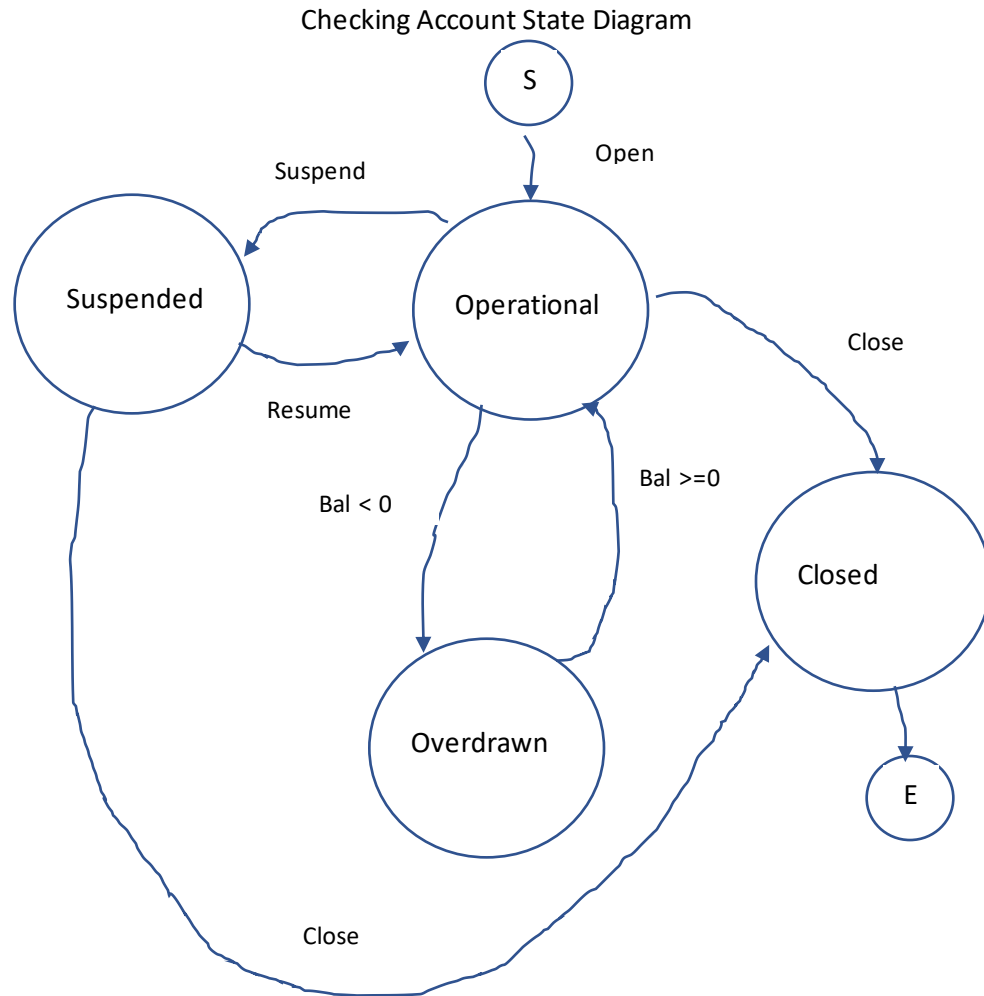
- Your diagram had a title. Remember, all diagrams must have a title.
- There is a start state. There may or may not be an end state.
- States are a reasonable for a checking account.
- Any assumptions were documented.

See Appendix A for my solution. There are other valid solutions as well.

### Concluding Thoughts:

As I mentioned in class, the team project consumes a significant portion of the total points. You will need to work together under challenging conditions and timelines. I hope you take a moment to reflect on what you just accomplished as a team and the value of this exercise in the weeks ahead.

## Appendix A – Sample Solution for a Checking Account State Diagram



### Assumptions:

- An account in an Operational state has a  $\text{bal} \geq 0$ .
- This checking account does not have overdraft protection.
- An account can be suspended if suspicious activity is suspected. The account can be put back to Operational when the matter is cleared or Closed if it is determined the account is not safe to reopen.
- It is not possible to Close an Overdrawn account.

### Additional:

- In the real world, you would need to review this with Subject Matter Experts (SME). It is quite possible that you would need to educate them on what you are trying to communicate and its value. Sometimes, analogies can be helpful. For example: assume I was to call the bank and ask for the status of my checking account. How might the bank teller respond.
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