Send order information

Send money

Product Ordered for restock

Send product to order

Send sold product info

Log all information

Send transaction information

Inside Bank Account

Inside IMS

Processed Transaction

Customer pays

Received Transaction

Start

The differences between a State Diagram vs a Use Case Diagram are mostly what each one is used for. The Use Case Diagram is for those that will not be building the application, but using it or implementing it in the business/company/workflow. Most of the time, the Use Case Diagram will illustrate to the shareholders/users what the program will do. It documents who interacts with it, and when during the entire process they will be interacting with it. It also showcases what the program will do inside the workflows. It shows the places where the program will be useful within the workflows that the company has.

The State Diagram is more for the people who will be creating the program. It’s built to showcase what interactions need to happen in the program so that it can do the things shown in the Use Case Diagram. Most people looking into State Diagrams will be looking at them from the perspective of coding and programming. This means that most of what is seen in State Diagrams aren’t really things it will take care of for the business as much as it is specific actions that need to be taken, and where the program needs to be after those actions.