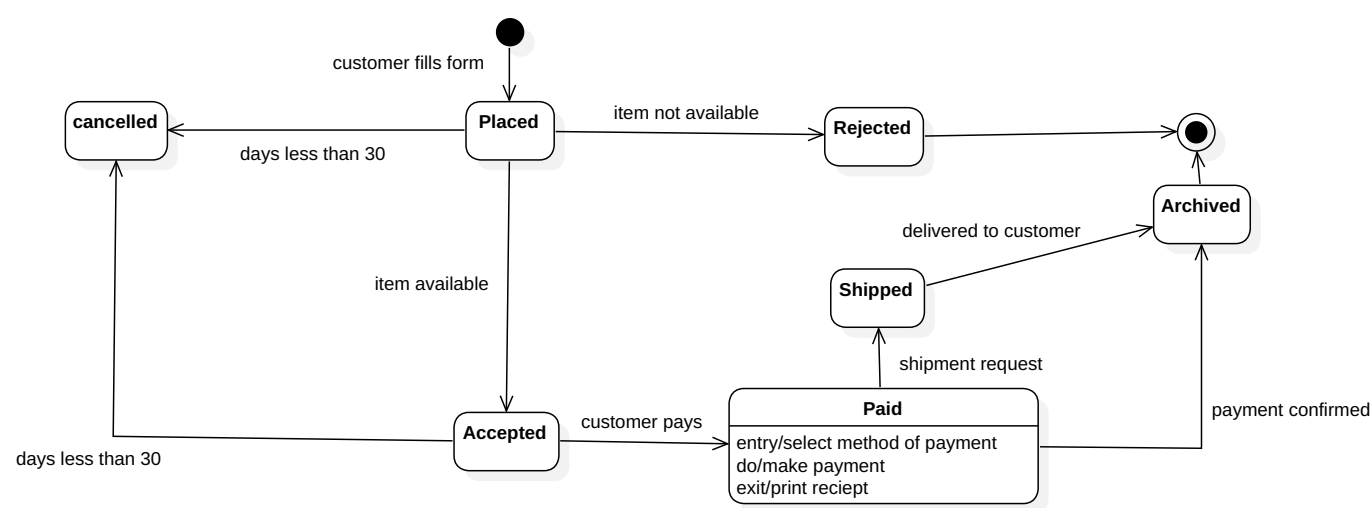


Question I:

Draw a state transition diagram for an Order in an online shopping system. Here is a brief scenario that may help:

*A Customer places an order for an item on an online shopping system. System searches for availability of the item within company's catalogue. If the item is not available, the order will be rejected otherwise an online-invoice will appear on the screen. If user accepts the invoice by pressing the accept-button, system starts the payment process that can be done either by PayPal or by a valid credit card. Customer can only cancel the order before payment process starts.*

*The paid orders will be sent to shipping department and when item is ready, it will be shipped to the customer's address and a shipment notification will be emailed to the customer. Customers have up to 30 days time to decide to keep their items or return it for the full refund. After 30 days the orders that are their items are not returned will be archived.*



Question II:

Considering the same statements expressed for question-I, complete the following partially drawn sequence diagram that shows the sequence of interaction between objects for “placing an order”. Don't worry about the exception. Only consider a successful scenario.

