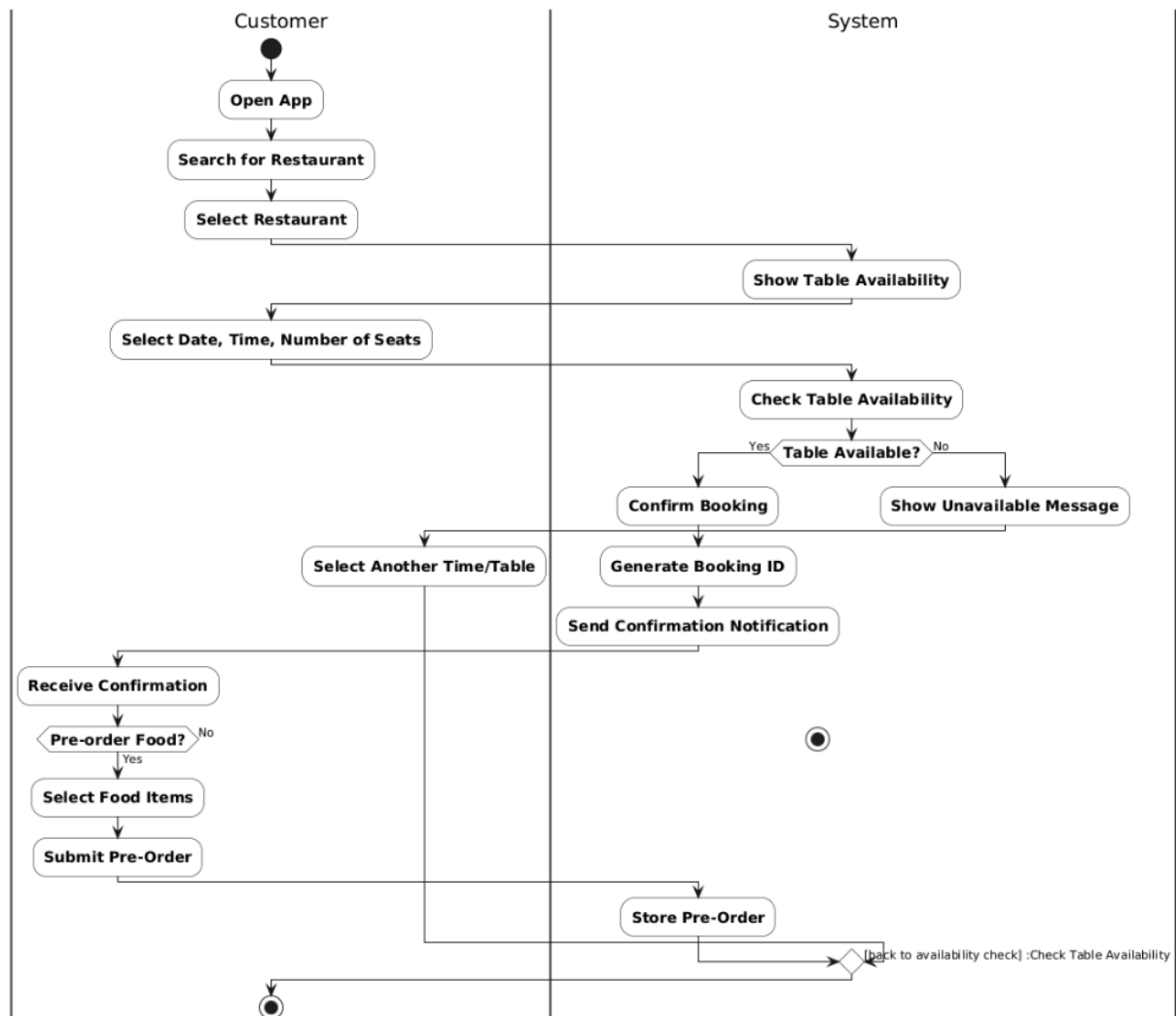## Reset Activity Diagram – Booking a Table

The activity diagram shows the steps a customer may take to book a table using the CloudTables mobile app. The process begins when the customer opens the app and searches for a restaurant. After selecting one, the system shows table availability. The customer then chooses a date, time, and number of seats, and the system checks if a suitable table is available.

If a table is available, the customer confirms the booking, and the system generates a booking ID and sends a confirmation notification. After that, the customer is optionally offered the chance to pre-order food. If no table is available, the customer is notified and given the chance to try again with a different time or table option.

The diagram captures both user and system actions as well as the decision points and optional flows, making it suitable as a detailed representation of this nontrivial use case.