



TEAM BEANS

UML State Model and State Transition Matrix

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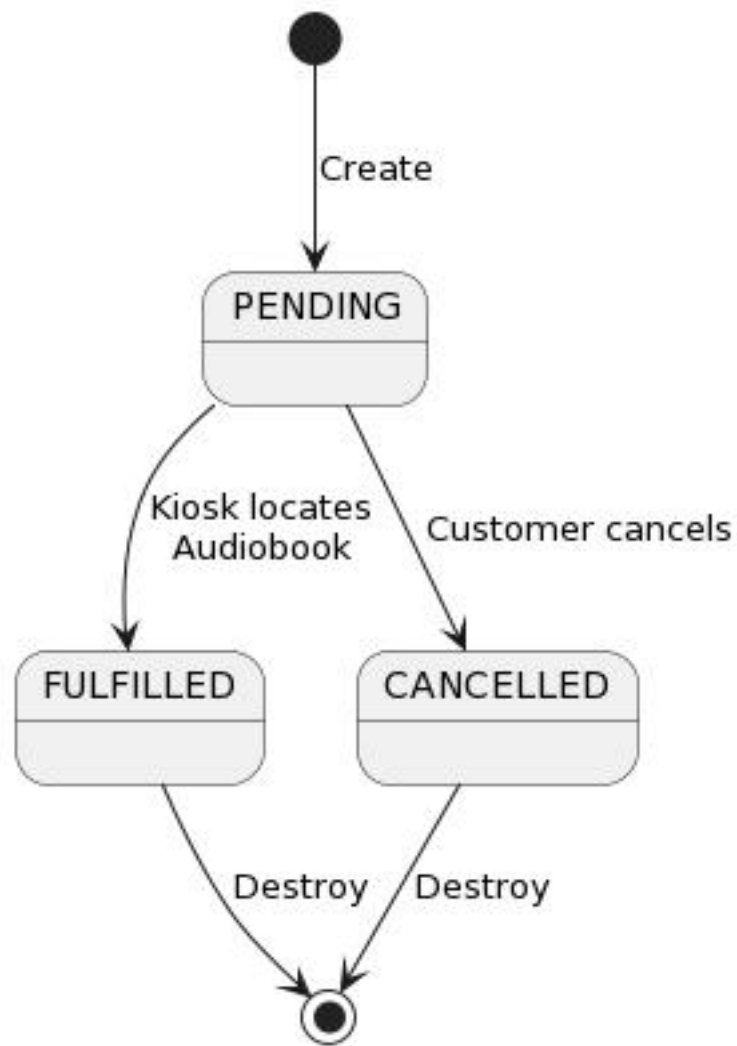


Figure 1: State Transition Diagram - Request

	Kiosk locates Audiobook	Customer cancels request
PENDING	FULFILLED	CANCELLED
CANCELLED	---	---
FULFILLED	---	---

Table 1: State Transition Table – Request

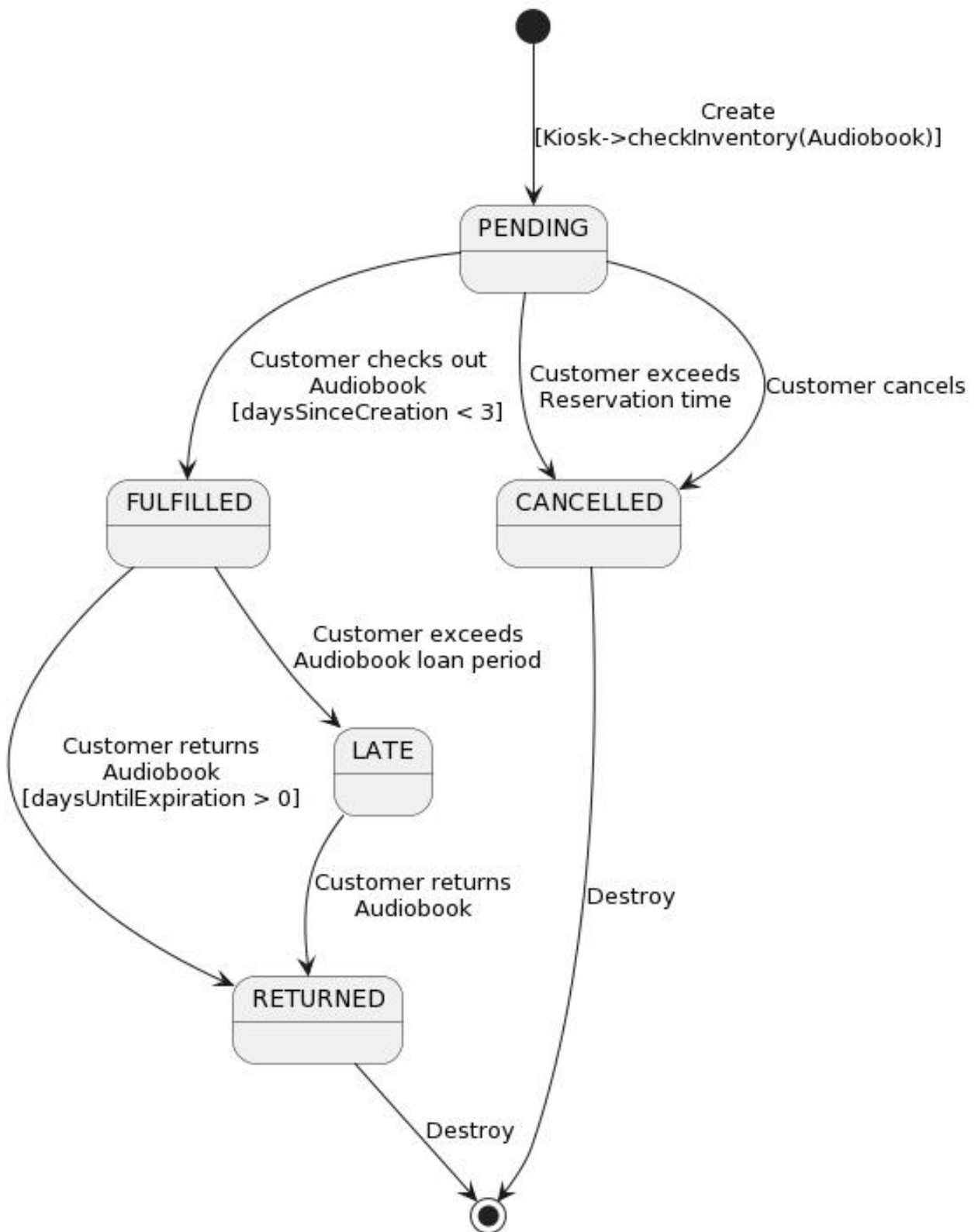


Figure 2: State Transition Diagram – Reservation

	Customer Checks out Audiobook	Customer exceeds reservation time	Customer exceeds Audiobook loan period	Customer Cancels Reservation	Customer Returns Audiobook
PENDING	FULFILLED	CANCELLED	---	CANCELLED	---
FULFILLED	---	---	LATE	---	RETURNED
LATE	---	---	---	---	RETURNED
CANCELLED	---	---	---	---	---
RETURNED	---	---	---	---	---

Table 2: State Transition Table – Reservation