

Checkout ReqSample Senarials

JikoXpress — Checkout Session API Scenarios

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Reference guide for all checkout session creation scenarios

Overview

A checkout session is a **temporary stepping stone** to an order. Once confirmed, the session creates an order and its job is done. Sessions are never refunded — orders are.

Session Types

Type	Description
IMMEDIATE	Pay now, right at this terminal
SLIP	Generate slip, customer goes to cashier
TAB	Pay later, dine-in rounds

Session Statuses

Status	Description
PENDING_PAYMENT	Waiting for payment — USSD webhook or cashier confirmation
CONFIRMED	Payment done, order created
EXPIRED	Slip timed out, inventory released
CANCELLED	Manually cancelled, inventory released

Status	Description
FAILED	Payment failed, inventory released

Payment Methods

Method	Description
CASH	Physical money
MOBILE_MONEY	USSD — M-Pesa, Tigo, Airtel
CARD	Visa, Mastercard
PLATFORM_WALLET	JikoXpress app wallet
KITCHEN_WALLET	Kitchen issued prepaid balance
KITCHEN_CHANNEL	Kitchen configured channel — Lipa Voda, HaloPesa etc

Instructions

Level	Field	Use Case
Session	orderInstructions	One note for whole order — POS, Kiosk, Dine-in
Item	itemInstructions	Per item note — App, mixed kitchen orders

Both can be used together. Session instruction goes to kitchen as a general note. Item instruction travels with that specific item.

Channel & Fulfillment Matrix

Channel	DINE_IN	PICKUP	DELIVERY	DRIVE_THROUGH
POS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
KIOSK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TABLE_QR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
APP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WHATSAPP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Server rejects any combination not in this matrix with a clear error message.

POS — Dine In, Pay Now

Customer sits at table, pays immediately — no tab opened.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "POS",
  "fulfillmentType": "DINE_IN",
  "tableNumber": "05",
  "tag": "John",
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ],
  "payments": [
    {
      "paymentMethod": "CASH",
      "amount": 5000
    }
  ]
}
```

POS — Drive Through, Pay Now

Customer in lane, staff takes order at window, pays immediately.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "POS",
  "fulfillmentType": "DRIVE_THROUGH",
  "laneNumber": "1",
  "tag": "Red Toyota",
  "items": [
    {"menuId": "uuid", "quantity": 2, "itemInstructions": null},
    {"menuId": "uuid", "quantity": 1, "itemInstructions": "no onions"}
  ],
}
```

```
"payments": [  
  {  
    "paymentMethod": "CASH",  
    "amount": 8000  
  }  
]  
}
```

POS — Drive Through, Generate Slip

Customer in lane, staff takes order, generates slip. Customer drives to payment window.

```
{  
  "sessionType": "SLIP",  
  "channel": "POS",  
  "fulfillmentType": "DRIVE_THROUGH",  
  "laneNumber": "1",  
  "tag": "Blue Corolla",  
  "items": [  
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}  
  ]  
}
```

Kiosk — Dine In, Cash Slip

Customer at kiosk inside restaurant, orders for their table, pays cash at counter.

```
{  
  "sessionType": "SLIP",  
  "channel": "KIOSK",  
  "fulfillmentType": "DINE_IN",  
  "tableNumber": "03",  
  "items": [  
    {"menuId": "uuid", "quantity": 2, "itemInstructions": null}  
  ]  
}
```

Kiosk — Dine In, Mobile Money

Customer at kiosk, orders for their table, pays USSD immediately.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "KIOSK",
  "fulfillmentType": "DINE_IN",
  "tableNumber": "03",
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ],
  "payments": [
    {
      "paymentMethod": "MOBILE_MONEY",
      "amount": 5000
    }
  ]
}
```

App — Pickup, Platform Wallet

App user orders pickup, pays with JikoXpress platform wallet.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "APP",
  "fulfillmentType": "PICKUP",
  "kitchenId": "uuid",
  "fromCart": false,
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ],
  "payments": [
    {
      "paymentMethod": "PLATFORM_WALLET",
      "amount": 5000
    }
  ]
}
```

```
}
```

WhatsApp — Pickup

Customer orders via WhatsApp, will collect food themselves.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "WHATSAPP",
  "fulfillmentType": "PICKUP",
  "kitchenId": "uuid",
  "customerPhone": "+255700000000",
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ],
  "payments": [
    {
      "paymentMethod": "MOBILE_MONEY",
      "amount": 5000
    }
  ]
}
```

IDs Resolved Server Side

These are **never passed in request** — resolved from context:

Field	Resolved From
<code>staffId</code>	Authenticated staff session token
<code>accountId</code>	Authenticated JikoXpress user token
Kitchen (POS/Kiosk)	Staff session — staff belongs to a kitchen
Kitchen (App direct)	Passed in request
Kitchen (App cart)	Derived from cart items grouped by kitchen

Payment Split Model

All payments are a list. Single payment = list of one. Amounts must sum to session total.

```
{
  "payments": [
    {
      "paymentMethod": "KITCHEN_WALLET",
      "kitchenCustomerId": "uuid",
      "amount": 3000
    },
    {
      "paymentMethod": "KITCHEN_CHANNEL",
      "kitchenPaymentMethodId": "uuid",
      "amount": 1500
    },
    {
      "paymentMethod": "MOBILE_MONEY",
      "amount": 1000
    },
    {
      "paymentMethod": "CASH",
      "amount": 500
    },
    {
      "paymentMethod": "CARD",
      "amount": 500
    },
    {
      "paymentMethod": "PLATFORM_WALLET",
      "amount": 500
    }
  ]
}
```

“ kitchenCustomerId required only for KITCHEN_WALLET

kitchenPaymentMethodId required only for KITCHEN_CHANNEL

Scenarios

1. POS — Pay Now, Cash

Staff takes order at counter. Customer pays cash immediately.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "POS",
  "fulfillmentType": "PICKUP",
  "tag": "John",
  "orderInstructions": null,
  "items": [
    {"menuId": "uuid", "quantity": 2, "itemInstructions": null},
    {"menuId": "uuid", "quantity": 1, "itemInstructions": "no salt"}
  ],
  "payments": [
    {
      "paymentMethod": "CASH",
      "amount": 5000
    }
  ]
}
```

2. POS — Pay Now, Split Payment

Customer pays part cash, part mobile money.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "POS",
  "fulfillmentType": "PICKUP",
  "tag": "Sarah",
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ],
}
```

```
"payments": [  
  {  
    "paymentMethod": "CASH",  
    "amount": 2000  
  },  
  {  
    "paymentMethod": "MOBILE_MONEY",  
    "amount": 3000  
  }  
]  
}
```

3. POS — Pay Now, Kitchen Wallet

Loyal customer pays using their prepaid kitchen wallet.

```
{  
  "sessionType": "IMMEDIATE",  
  "channel": "POS",  
  "fulfillmentType": "PICKUP",  
  "tag": "Mama Fatuma",  
  "items": [  
    {"menuId": "uuid", "quantity": 2, "itemInstructions": null}  
  ],  
  "payments": [  
    {  
      "paymentMethod": "KITCHEN_WALLET",  
      "kitchenCustomerId": "uuid",  
      "amount": 5000  
    }  
  ]  
}
```

4. POS — Pay Now, Kitchen Channel (Lipa Voda)

Customer pays via kitchen configured channel e.g. Vodacom Lipa.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "POS",
  "fulfillmentType": "PICKUP",
  "tag": "James",
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ],
  "payments": [
    {
      "paymentMethod": "KITCHEN_CHANNEL",
      "kitchenPaymentMethodId": "uuid",
      "amount": 5000
    }
  ]
}
```

5. POS — Generate Slip (Human Kiosk)

Staff takes order, generates slip. Customer walks to cashier to pay.

```
{
  "sessionType": "SLIP",
  "channel": "POS",
  "fulfillmentType": "PICKUP",
  "tag": "John",
  "orderInstructions": null,
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": "no salt"}
  ]
}
```

“ No payments — cashier will collect when customer brings slip

6. POS — Tab, Round 1 (New Bill)

Dine-in customer. Staff opens new tab/bill for the table.

```
{
  "sessionType": "TAB",
  "channel": "POS",
  "fulfillmentType": "DINE_IN",
  "tableNumber": "05",
  "tag": "Family ya Mbeya",
  "items": [
    {"menuId": "uuid", "quantity": 2, "itemInstructions": null},
    {"menuId": "uuid", "quantity": 1, "itemInstructions": "extra spicy"}
  ]
}
```

“ No `billId` — server creates new `KitchenBillsEntity` automatically
No `payments` — customer pays at end

7. POS — Tab, Round 2 (Existing Bill)

Same table orders more. Cashier picks existing open bill, adds new round.

```
{
  "sessionType": "TAB",
  "channel": "POS",
  "fulfillmentType": "DINE_IN",
  "tableNumber": "05",
  "billId": "existing-bill-uuid",
  "items": [
    {"menuId": "uuid", "quantity": 2, "itemInstructions": null}
  ]
}
```

“ `billId` links this round to the existing open bill
New kitchen ticket fires for these items only

8. Kiosk Machine — Cash Slip

Customer self-orders on kiosk machine. Chooses to pay cash. Slip prints. Customer walks to cashier.

```
{
  "sessionType": "SLIP",
  "channel": "KIOSK",
  "fulfillmentType": "PICKUP",
  "items": [
    {"menuId": "uuid", "quantity": 2, "itemInstructions": null},
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ]
}
```

“ kitchenId derived from kiosk device registration
Slip expires after configured time (default 15 min)

9. Kiosk Machine — Mobile Money (Immediate)

Customer self-orders on kiosk, pays via USSD immediately.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "KIOSK",
  "fulfillmentType": "PICKUP",
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ],
  "payments": [
    {
      "paymentMethod": "MOBILE_MONEY",
      "amount": 5000
    }
  ]
}
```

Session stays `PENDING_PAYMENT` until USSD webhook confirms

10. Table QR — Pay on Phone

Customer scans QR at table, orders, pays via USSD on their own phone.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "TABLE_QR",
  "fulfillmentType": "DINE_IN",
  "tableNumber": "05",
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ],
  "payments": [
    {
      "paymentMethod": "MOBILE_MONEY",
      "amount": 5000
    }
  ]
}
```

“ `kitchenId` embedded in QR code, resolved server side
Needs cashier approval before going to kitchen

11. Table QR — Pay at Cashier (Slip)

Customer scans QR, orders, chooses to pay cash at counter.

```
{
  "sessionType": "SLIP",
  "channel": "TABLE_QR",
  "fulfillmentType": "DINE_IN",
  "tableNumber": "05",
  "items": [
```

```
{
  "menuId": "uuid", "quantity": 1, "itemInstructions": null}
]
}
```

12. App — Checkout from Cart, Delivery

App user checks out all items from their cart. One payment, orders split per kitchen automatically.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "APP",
  "fulfillmentType": "DELIVERY",
  "fromCart": true,
  "deliveryAddress": {
    "street": "Lumumba St",
    "area": "Mbeya",
    "city": "Mbeya",
    "notes": "Green gate",
    "latitude": -8.9,
    "longitude": 33.4
  },
  "payments": [
    {
      "paymentMethod": "MOBILE_MONEY",
      "amount": 15000
    }
  ]
}
```

“ `accountId` from auth token
`kitchenId` derived from cart items — one session created per kitchen
`fromCart: true` — no `items` needed in request

13. App — Direct Buy, No Cart

App user buys directly from a kitchen without going through cart.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "APP",
  "fulfillmentType": "DELIVERY",
  "kitchenId": "uuid",
  "fromCart": false,
  "items": [
    {"menuId": "uuid", "quantity": 1, "itemInstructions": null}
  ],
  "deliveryAddress": {
    "street": "Lumumba St",
    "area": "Mbeya",
    "city": "Mbeya",
    "notes": "Green gate",
    "latitude": -8.9,
    "longitude": 33.4
  },
  "payments": [
    {
      "paymentMethod": "PLATFORM_WALLET",
      "amount": 5000
    }
  ]
}
```

“ `fromCart: false` — items passed directly in request
`kitchenId` required since not derived from cart

14. WhatsApp — Delivery

Customer orders via WhatsApp chatbot. Not a JikoXpress user — identified by phone number only.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "WHATSAPP",
  "fulfillmentType": "DELIVERY",
  "kitchenId": "uuid",
```

```
"customerPhone": "+255700000000",
"items": [
  {"menuId": "uuid", "quantity": 1, "itemInstructions": null},
  {"menuId": "uuid", "quantity": 2, "itemInstructions": "extra sauce"}
],
"deliveryAddress": {
  "street": "Lumumba St",
  "area": "Mbeya",
  "city": "Mbeya",
  "notes": "Green gate",
  "latitude": -8.9,
  "longitude": 33.4
},
"payments": [
  {
    "paymentMethod": "MOBILE_MONEY",
    "amount": 8000
  }
]
}
```

“ kitchenId from chatbot — each kitchen has their own WhatsApp number
customerPhone identifies customer — no JikoXpress account needed
No accountId — WhatsApp customer is anonymous to platform

Edge Cases

Kitchen Wallet — Insufficient Balance, Split with Cash

Customer's kitchen wallet has 3000 but total is 5000. Pays difference with cash.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "POS",
```

```
"fulfillmentType": "PICKUP",
"items": [
  {"menuId": "uuid", "quantity": 2, "itemInstructions": null}
],
"payments": [
  {
    "paymentMethod": "KITCHEN_WALLET",
    "kitchenCustomerId": "uuid",
    "amount": 3000
  },
  {
    "paymentMethod": "CASH",
    "amount": 2000
  }
]
}
```

Three-Way Split

Customer splits across cash, kitchen channel, and mobile money.

```
{
  "sessionType": "IMMEDIATE",
  "channel": "POS",
  "fulfillmentType": "PICKUP",
  "items": [
    {"menuId": "uuid", "quantity": 3, "itemInstructions": null}
  ],
  "payments": [
    {
      "paymentMethod": "CASH",
      "amount": 2000
    },
    {
      "paymentMethod": "KITCHEN_CHANNEL",
      "kitchenPaymentMethodId": "uuid",
      "amount": 2000
    },
    {

```

```
    "paymentMethod": "MOBILE_MONEY",
    "amount": 1000
  }
]
}
```

Tab — Pay Bill with Split

Customer finishes eating, pays open tab with card and cash.

“ This happens at **bill close time**, not session creation.
Separate endpoint: `POST /bills/{billId}/pay`

```
{
  "payments": [
    {
      "paymentMethod": "CARD",
      "amount": 10000
    },
    {
      "paymentMethod": "CASH",
      "amount": 5000
    }
  ]
}
```

Cashier Confirms Slip Payment

Customer arrives at counter with slip. Cashier scans barcode or finds slip by number. Confirms cash collected. Order created and sent to kitchen.

“ Endpoint: `POST /checkout-sessions/{sessionId}/confirm-slip`

```
{
  "payments": [
```

```
{
  "paymentMethod": "CASH",
  "amount": 5000
}
]
```

“ Cashier can also split payment at this point — customer may pay slip with mobile money instead of cash

Cashier Confirms Slip — Split Payment

Customer brought slip but wants to pay part cash, part mobile money.

“ Endpoint: `POST /checkout-sessions/{sessionId}/confirm-slip`

```
{
  "payments": [
    {
      "paymentMethod": "CASH",
      "amount": 3000
    },
    {
      "paymentMethod": "MOBILE_MONEY",
      "amount": 2000
    }
  ]
}
```

“ After confirmation → session `CONFIRMED` → order created → kitchen notified → inventory deducted

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