


- ### Point of Sale Terminal (POST)
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- ❖ Goals
 - Quick checkout for the customer
 - ♦ Bar code reader
 - Fast and accurate sales analysis
 - ♦ Customer ID no., zip code, etc.
 - Automatic Inventory Control
 - ♦ Through tracking UPCs
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- ### POST - Basic Functions
- ❖ Record the current sale - the items purchased
 - ❖ Calculate sales total, tax, subtract coupons, discounts
 - ❖ Capture purchase price from bar code scanner or manual entry of UPC
 - ❖ Reduce inventory quantities when sale is completed
 - ❖ Log completed sales in transaction database
 - ❖ Cashier must login with an ID and password to activate POST
 - ❖ Persistent storage is needed for user accounts, transactions, inventory
 - ❖ Provide inter-process and inter-system communication interface
 - ❖ Display description and price of item
 - ❖ Print sales receipt for customer
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- ### POST - Payment Functions
- ❖ Handle cash payments
 - capturing amount tendered and calculating balance due customer
 - ❖ Handle credit payments
 - capture credit info from card reader or manual entry
 - authorize payment through credit card company via modem
 - log credit payments to the accounts receivable dept.
 - ❖ Handle check payments
 - capture driver's license by manual entry
 - authorize payment with check authorization service via modem, or
 - authorize payment with "check cashing" card
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- ### POST - System Attributes
- ❖ Response Time
 - (boundary constraint) When an item is scanned, the description and price must appear within 5 seconds
 - ❖ Interface Metaphor
 - (detail) Forms and dialog boxes
 - (detail) easy kybd use rather than pointer navigation
 - ❖ Fault Tolerance
 - (boundary constraint) must log authorized credit paymtns to accounts receivable, even if power/device failure
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Other Requirements Artifacts

- ❖ *Liason Teams* - parties that should be involved in specifying functions and attributes of the system
- ❖ *Affected Groups* - those impacted by either development or deployment
- ❖ *Risks* - Things which can lead to failure or delay
- ❖ *Use cases* - Narrative descriptions of the domain process
- ❖ *Draft Conceptual Model* - important concepts and their relationships

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