Non-Authorization Use Cases

Transactional Authorization BOF
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Alexa, buy this book.

Sorry, I was unable to complete this purchase.

• Credit card expired.
• Insufficient balance.
Amazon Dash, I'm out of ink.

Sorry, unable to order more ink.

- Product not configured.
- Product no longer available.
AWS Simple Email Service, send this email.

HTTP/1.1 400 ...

- Domain not verified.
- Sending is paused.
- Quota exceeded.
The Connection:

Context A

Context B

Problem & Resolution
The Connection:

Context A

Context B

Problem & Resolution
Problem Summary

How do we direct the end user to another context (and back again), in the middle of an arbitrary process?
Challenges

• Three or four channels involved:
  • End user to source context (e.g., Alexa VUI)
  • Source context to problem context (e.g., service calls to AWS SES)
  • End user notification channel (e.g., end user's email)
  • End user to resolution context (e.g., Amazon website)

• Source context may or may not be interactive
  • Interactive: User attempting to make a purchase.
  • Non-interactive: Printer detecting it is running low on ink.