Section 1: Week 3: Smart Restaurant Proposal

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Smart Restaurant Proposal

The Black Bean started life as a simple ‘mom-and-pop restaurant,’ but has since rapidly grown to over one hundred locations. Now the business faces challenges ensuring the consistently high-quality experience customers know and love. As mitigation, the organization wants to deploy technology that provides business intelligence across the end-to-end lifecycle starting at the supply chain, continuing into each restaurant location, and finally presenting a personalizing mobile and social media presence.

# Current State of the organization

One of the critical challenges for Black Bean comes from its inability to continue scaling existing processes. When the business only needed to manage a handful of sites performing inventory management manually with local spreadsheets was sufficient. As the organization grew, its ability to report on the state became more distorted. The latency between sales information arriving at head-quarters causes incorrectly placed products to spoil in one location and be unavailable in another. Similarly, as a small group of franchises, the marketing team understood the identity of their customers. Now that the business spans numerous locations, they face challenges connecting with the highly diverse communities.

Black Bean’s IT department has addresses aspects of these challenges through point-of-sale solutions. These initial systems have standardized reporting templates that managers can manually populate. However, these semi-structured documents are still open to interpretation and can misrepresent the state of an individual site. The organization also has investments in distribution and supply chain processes that could emit telemetry. They also benefit from a positive work culture where employees are willing to embrace technology, assuming its beneficial and not overly complicated.

# Determine functionality and missing capabilities