MODERN WEB APPLICATION – Logical & Physical High Level Design Diagram v1.0 (DRAFT)

Architecture & Design Team  Date: June 11, 2013  Version 1.0 (DRAFT)

Client Layer (Browser)
- Views
  - *HTML5/CSS3
- ViewModels
- DataSources

Web Layer (Server)
- Controllers
- Web Services
  - Web API, OData

Presentation Layer
- Web UI
  - HTML5/CSS3
  - ASP.NET MVC
- Views
  - Controller
  - Model

Persistence Layer
- SQL 2012
- Repository Pattern
- Unit of Work Pattern

Cross-Cutting
- Operational Management
- Communication
  - Security (e.g. ADFS, WIF, Membership, etc.)
  - e.g. logging, instrumentation, configuration, tracing, perf counters, caching, EntLib, etc.

Services Layer
- CustomerService, OrderService, etc.
  - with WCF and/or Web API

Data
- Services
  - Cross-Cutting
- Data Access
  - EF
- Data Helpers
  - Service Agents
  - Utilities, etc.

Domain/Business Layer
- Application Facade
- Business Workflows e.g. WF
- Business Components
- Business Entities/POCOs

MVVM Pattern w/ Kendo UI

ViewModels
- DataSources
- Web UI
  - HTML5/CSS3/JS/Templates
- ASP.NET MVC

Local Storage
*HTML5

e.g. Bing .NET API, Twilio .NET API, PayPal .NET API, etc.