Technical Specifications of GNAPPWORKS

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Mobile web app with JavaScript and HTML

JavaScript Mobile API

Server side with ASP.NET MVC

Mobile web app with JavaScript and HTML

▸ Cross-platform
  ▸ Run on any web kit browser such as Safari, Google Chrome, and mobile browsers.

▸ No objective C
  ▸ Developed in both Windows and Mac.

▸ Can be embedded with native app using PhoneGap.
  ▸ Native look and feel.
  ▸ PhoneGap provides an API allowing access to device sensors.
  ▸ App store? Yes

▸ Programmed and styled using JavaScript and CSS

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JavaScript Mobile and Mapping APIs

- ▸ **Sencha Touch (latest version 2.0)**

  - ▸ Provides a framework for mobile app development with MVC architecture.

  - ▸ Highly maintainable with the new class system in version 2.0.

  - ▸ Runs faster on Android and other tablets compared to version 1.1

- ▸ **Mapping APIs**

  - ▸ OpenLayers

  - ▸ Leaflet

Server side with ASP.NET MVC

- Web development framework with Model View Controller architecture.

- Take advantage of powerful .Net libraries.
  - Entity Framework.
  - Linq (Language integrated query).

- Restful style services.

- Connect to most data sources.
  - SQL server, Oracle, MySql, Manifold GIS..ect.

Demo

- Broadband Nearby

  - http://fairview.salisbury.edu/MVCWebApps/BroadbandNearby/Mobile/index.html

- Foodshed

  - http://fairview.salisbury.edu/MVCWebApps/KellogFoodshed/MobileMap/Map/SenchaOLMap

Questions?