PRODUCTS

http://retailproject.azurewebsites.net/product/[method name]

```
/// <summary>
/// Retailer can add a product to beacon here
/// </summary>
/// <param name="userId">user GUID</param>
/// <param name="UUID">UUID beacon ID</param>
/// <param name="Product">product model</param>
/// <returns>Product object</returns>
[HttpPost]
public JsonResult addNewBeacon( string userGUID,
                                string manufacturer,
                                string productName,
                                string imageURL,
                                string imageInstallationURL,
                                int? availableStock,
                                int? numberOfVisits,
                                decimal? price,
                                string UUID,
                                string category   )



/// <summary>
/// Debug only delete the beacon from the system
/// </summary>
/// <param name="UUID">beacon UUID</param>
/// <returns></returns>
public JsonResult removeBeaconTEST_ONLY(string UUID)



/// <summary>
/// gets the product from a beacon UUID
/// </summary>
/// <param name="UUID">beacon UUID</param>
/// <returns>product object</returns>
public JsonResult getProduct(string UUID)



/// <summary>
/// search for the products in categories
/// </summary>
/// <param name="Category">all categories can be multilevel, delimited by
"/"</param>
/// <returns>product object list</returns>
public JsonResult getProductsInCategory(string Category)
```

```csharp
        /// <summary>
        /// updates the product
        /// </summary>
        /// <param name="UserId">user id</param>
        /// <param name="Product">product updates, null parameter are not updated on
system</param>
        /// <returns>Product object</returns>
        public JsonResult upDateProduct(string userGUID,
                                        string manufacturer,
                                        string productName,
                                        string imageURL,
                                        string imageInstallationURL,
                                        int? availableStock,
                                        decimal? price,
                                        string UUID,
                                        string category)




        /// <summary>
        /// gets the products for a user
        /// </summary>
        /// <param name="UUID">user GUID</param>
        /// <returns> Product object  list</returns>
        public JsonResult getRetailerProducts(string userGUID)




        /// <summary>
        /// Save the installation image
        /// </summary>
        /// <param name="UserGUID">User ID</param>
        /// <param name="UUID">Product UUID</param>
        /// <param name="file">Image file</param>
        /// <returns>Absolute URL of image</returns>
        [HttpPost]
        public ActionResult SaveInstallationImage(string userGUID, string UUID,
        HttpPostedFileBase file)




        /// <summary>
        /// Save the product image
        /// </summary>
        /// <param name="UserGUID">User ID</param>
        /// <param name="UUID">Product UUID</param>
        /// <param name="file">Image file</param>
        /// <returns>Absolute URL of image</returns>
        [HttpPost]
        public ActionResult SaveProductImage(string userGUID, string UUID,
        HttpPostedFileBase file)
```

USERS

http://retailproject.azurewebsites.net/user/[method name]

```csharp
/// <summary>
/// get the user details
/// </summary>
/// <param name="GUID">user GUID</param>
/// <returns></returns>
public JsonResult getUser(string GUID)

/// <summary>
/// login and return user guid
/// </summary>
/// <param name="email"></param>
/// <param name="password"></param>
/// <returns>user object</returns>
public JsonResult UserLogin(string email, string password)



/// <summary>
/// request new user account
/// </summary>
/// <param name="name">name</param>
/// <param name="level">0 is consumer, 1 is retailer</param>
/// <param name="email">email</param>
/// <param name="password">password</param>
/// <param name="telephone">telephone</param>
/// <returns>user object</returns>
public JsonResult RequestUserAccount(string name, int level, string email,
string telephone)

/// <summary>
/// Logs out and creates new user id
/// </summary>
/// <param name="email"></param>
/// <returns>Logged out message</returns>
public JsonResult UserLogout(string email)
```

http://retailproject.azurewebsites.net/offer/[method name]

```csharp
/// <summary>
/// Adds product offers to a product
/// </summary>
/// <param name="beaconUUID"></param>
/// <param name="startDateTime"></param>
/// <param name="endDateTime"></param>
/// <param name="title"></param>
/// <param name="description"></param>
/// <param name="strapLine"></param>
/// <param name="price"></param>
/// <param name="productId"></param>
/// <returns>offer object</returns>
public ActionResult addProductOffer( string beaconUUID,
                                     DateTime? startDateTime,
                                     DateTime? endDateTime ,
                                     string title ,
                                     string description,
                                     string strapLine,
                                     decimal? Price)


/// <summary>
/// Updates current offers on system
/// </summary>
/// <param name="userGUID"></param>
/// <param name="offerID"></param>
/// <param name="startDateTime"></param>
/// <param name="endDateTime"></param>
/// <param name="title"></param>
/// <param name="description"></param>
/// <param name="strapLine"></param>
/// <param name="price"></param>


/// <returns>offer updated message</returns>
public ActionResult upDateProductOffer( string userGUID,
                                        int offerID,
                                        DateTime? startDateTime,
                                        DateTime? endDateTime,
                                        string title,
                                        string description,
                                        string strapLine,
                                        decimal? price,
                                        int productId      )




/// <summary>
/// return products sorted by most recent offers
```

```csharp
/// </summary>
/// <param name="productId">pass in product ID NOT UUID</param>
/// <returns></returns>
public ActionResult getProductOffers(int productId)



/// <summary>
/// Disables an offer
/// </summary>
/// <param name="userId">user guid</param>
/// <param name="offerId">offer id</param>
/// <returns></returns>
public ActionResult disableOffer(string userGUID, int offerId)
```

LOCATE

http://retailproject.azurewebsites.net/locate/[method name]

```csharp
        /// <summary>
        /// Add beacon visit and increment visit counter
        /// </summary>
        /// <param name="userID">user guid</param>
        /// <param name="UUID">beacon UUID</param>
        /// <returns>status message</returns>
        public ActionResult addBeaconVisit(string userGUID, string UUID)



        /// <summary>
        /// Get the users visits
        /// </summary>
        /// <param name="userId">user guid</param>
        /// <param name="numberOfDays">nmuber of days</param>
        /// <returns></returns>
        public ActionResult getLastUserBeaconVists(string userGUID, int numberOfDays)
```

NOTES

1. All "user id" parameters are guid tokens.
2. Parameter type ending "?" are nullable.
3. Null parameters ignored in all method logic and no null are written to the system.
4. All timedate formats are #1/1/1970 00:00:00# (standard Javascript Date() format).
5. Server deployed to http://retailproject.azurewebsites.net/