

Design 2.1

This document outlines the design for a **Windows 8, Metro, WinJS** based application for managing contacts using the **mydigitalstructure.com** platform.

Covering:

- User logon
- Contact Search
- Contact add and updating

The application is to be used as a developer example of how the RESTful mydigitalstructure.com platform service can be used with the Windows 8 OS environment.

The proposed interface has been designed so it can easily be extended with more functional components.

The developer documentation for the platform can be found at <http://mydigitalstructure.com>.

Overview

The interface works live of the mydigitalstructure.com platform.

The first step is to authenticate the user with a logon page.

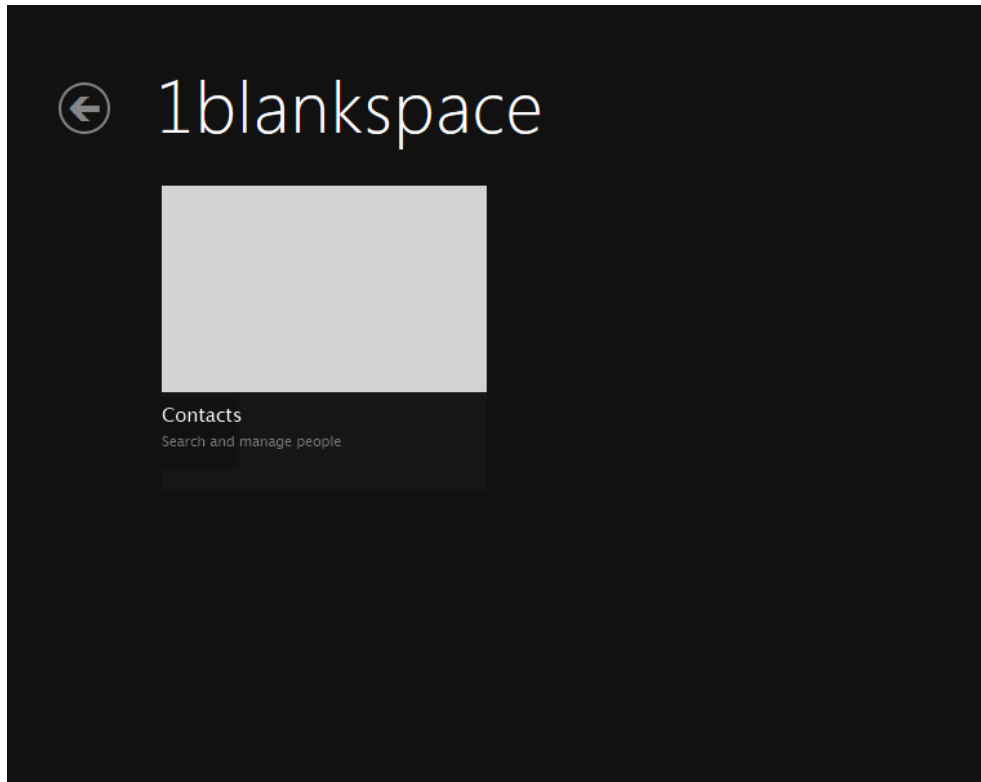
Once authenticated then the main interface can be used to search contacts.

User Access

Logon name	testing@ondemand
Password	test2012

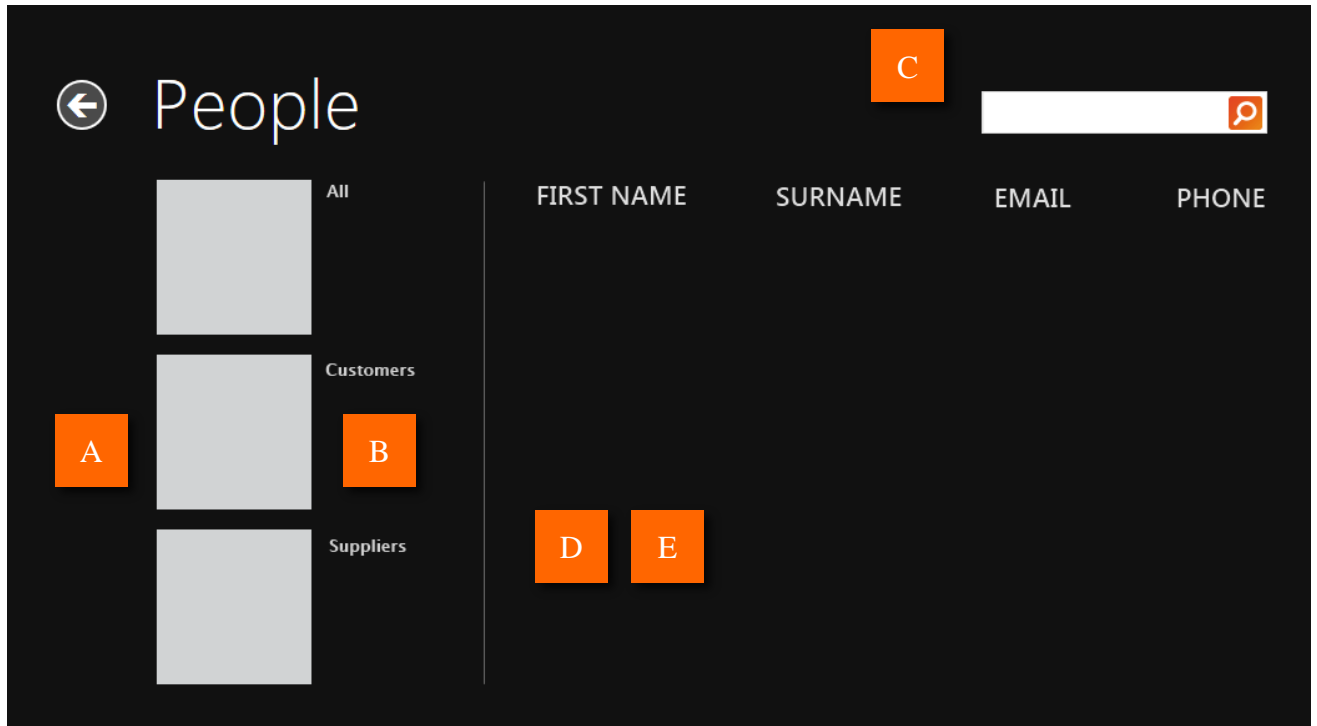
Interface

Images shown are conceptual only. All interface elements to be "Windows 8, Metro App" compliant and coded using WinJS.



Interfaces – Processes Key

See following page for explanation of zones as marked by letters.



Processes

The RESTful calls are shown with rf=XML, if you wish you can change this to me rf=JSON.

Ref	Layer	Description/method POST
-	Logon	<p>Logon name and password is sent using method:</p> <p>url: <code>https://secure.mydigitalspacelive.com/ondemand/logon/</code></p> <p>post: <code>logon=[logon name]&password=[password]</code></p> <p>The sid (session ID) needs to be extracted from the return and used in subsequent calls.</p>
A	Get Contact Groups	<p>This list has a default of All with a total contacts count next to it. Custom groups are then displayed using:</p> <p>url: <code>https://secure.mydigitalspacelive.com/ondemand/setup/?method=SETUP_CONTACT_PERSON_GROUP_SEARCH&rf=XML</code></p> <p>post: <code>sid=[sid from Logon]</code></p>
B	Get Contacts based on group.	<p>Search contacts based on the selected group.</p> <p>This search uses the platform's advanced search feature. See http://mydigitalstructure.com/advancedsearch for more details.</p> <p>url: <code>https://secure.mydigitalspacelive.com/ondemand/contact/?method=CONTACT_PERSON_SEARCH&advanced=1&rf=XML&sid=[sid from Logon]</code></p> <p>post:</p> <pre><advancedSearch> <field> <name>firstname</name> </field> <field> <name>surname</name> </field> <field> <name>email</name> </field> <field> <name>phone</name> </field> <summaryField> <name>count contactcount</name> </summaryField> <filter> <name>persongroup</name> <comparison>EQUAL_TO</comparison> <value1>[id from group list]</value1> <value2/> </filter> <options> <rf>xml</rf> <startrow>0</startrow> <rows>20</rows> <returnparameters>false</returnparameters> </options> </advancedSearch></pre>

Ref	Layer	Description/method POST
C	Get contacts based on group and text search	<p>Search contacts based on the selected group and also the text entered in the search text box.</p> <p>url: https://secure.mydigitalspacelive.com/ondemand/contact/?method=CONTACT_PERSON_SEARCH&advanced=1&rf=XML&sid=[sid from Logon]</p> <p>post:</p> <pre> <advancedSearch> <field> <name>firstname</name> </field> <field> <name>surname</name> </field> <field> <name>email</name> </field> <field> <name>phone</name> </field> <summaryField> <name>count contactcount</name> </summaryField> <filter> <name>persongroup</name> <comparison>EQUAL_TO</comparison> <value1>[id from group list]</value1> <value2/> </filter> <filter> <name>quicksearch</name> <comparison>TEXT_IS_LIKE</comparison> <value1>[as entered in search box]</value1> <value2/> </filter> <options> <rf>xml</rf> <startrow>0</startrow> <rows>20</rows> <returnparameters>>false</returnparameters> </options> </advancedSearch> </pre>
D	Add a new contact	<p>Display in the main edit area entry fields for first name, last name, email and phone.</p> <p>Then <code>/ondemand/contact/?method=CONTACT_PERSON_MANAGE</code> to add the contact.</p>

Ref	Layer	Description/method POST
E	Editing an existing contact	<p>Click on the contact in the list and then display edit fields with values filled in and use /ondemand/contact/?method=CONTACT_PERSON_MANAGE with &id=[contact ID] to update the contact.</p> <p>To search for the contact use:</p> <pre><advancedSearch> <field> <name>firstname</name> </field> <field> <name>surname</name> </field> <field> <name>email</name> </field> <field> <name>phone</name> </field> <filter> <name>id</name> <comparison>EQUAL_TO</comparison> <value1>[id from contact list]</value1> <value2/> </filter> <options> <rf>xml</rf> <startrow>0</startrow> <rows>20</rows> <returnparameters>false</returnparameters> </options> </advancedSearch></pre>