Entertainment App

Windows 8 Tablet

Executive Summary

The client, a Denmark-based service provider, wanted to build an application that allows the Windows 8 Tablet users to read their magazines. Potential buyers can also browse through the magazines and buy them if required. It allows the users to download the magazine to their device and enable them to read with a smooth swipe operation with page by page view. Also users can make a Zoom In and Zoom Out, as per their need and comfort levels. On the release of a new magazine, the app also displays the Tile, Badge and Toast notification to the device user.

We used Visual Studio on Dot Net Framework 4 to Design & Develop the Application. Additionally Metro App guidelines and principles have been followed while development of this application.

About our Client

Client: Service Provider | **Location:** Denmark| **Industry:** Internet / Web

Business Situation

The client already had a similar application running for iOS platform for iPhones, iPods and iPads. Client wanted us to replicate the app for windows environment to run it in the newly released Microsoft Surface Tablet by following all the Metro style guidelines along with the new push notification functionalities introduced by Microsoft.
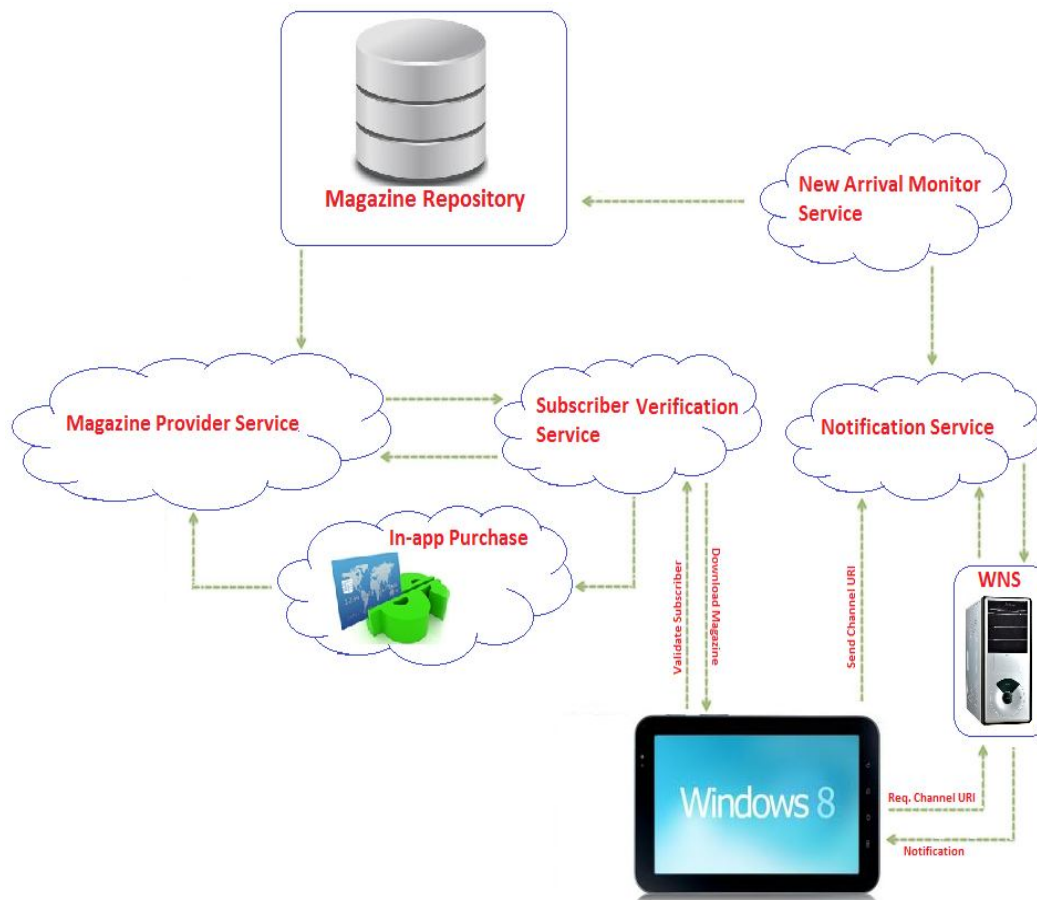
Solution Details
The Mindfire Solution

Visual Studio 2012 IDE provided by Microsoft was used for the development of Metro style Apps using Silverlight. It has a large toolbox and intensive support for development of applications. In order to make the UI more interactive and attractive in terms of user usability, several custom controls in Silverlight were created. The power of Dot Net framework was used to run the background services to make a continuous communication with the Windows Notification server at certain regular intervals to get the recently updated Channel URI. Since the channel URI gets renewed after a certain interval (Approx. 30 days), the service manages the back and forth web service communication to refresh the web service with the latest Channel URI obtained from the windows Notification Server.

Architectural Design

Technologies

Visual Studio 2012, Dot Net Framework 4.0, Silverlight, C# , Metro Style App guidelines.

Final Results
Software System

Screenshots are as follows:

Achievements

The basic requirement of the client was to create an app to support magazine reading in Windows Tablet. Since the tablet was still not in the market it was pretty difficult to implement and test without an actual device. Additionally, implementing Windows Push Notification without a test in a real device was difficult but the same was implemented successfully. The timelines for getting the app done were quiet demanding as well. Despite all these constraints we successfully delivered the project in time making our client happy.

Customer Benefits

Since the client wanted to target the audience which is fond of reading magazines, this app gives them an opportunity to read them inside a tablet. They can buy their own magazine and have it stored in their tablets. Along with this, client got a better performed and stable app to push into the market with the initial lunch of the device.

Future relationship

Pleased with the effort that was put in by the team at Mindfire, the client expressed his desire as well as confidence to outsource more projects to Mindfire Solutions in future.