

Profile overview

This portfolio provides a brief overview of a few of the more recent ISoftware projects. This is not a comprehensive list of the developments undertaken by ISoftware.

ISoftware overview

ISoftware was registered in 2005. ISoftware develops for the Windows, Xamarin and Web platforms, predominately for enterprise customers. Though Buttons and bars was sold directly to consumers via a sales and support web site, and MyFootprints may also be considered a consumer product, though it is not complete.

ISoftware uses an evolutionary object oriented approach. The problem is analysed and a solution proposed. The solution is delivered in a phased manner allowing the customer to provide feedback early and regularly. The software is also constructed in such a way that it can evolve over time. This does not usually increase the cost of developing the software as it is often more efficient to construct and test software architected in this way.

Analysis

The world is made up of objects with properties and behaviour. Analysing the problem domain to identify these objects, their properties and behaviour, and then mimicking them in software is the corner stone of modern evolutionary object oriented software development.

Implementation

Once the problem is analysed, a solution is designed and implemented. It is our preference to deliver the solution as early and as frequently as possible. This allows the customer to get a better view of the system and provide feedback early in the development cycle.

The domain analysis together with the system design usually aid the efficient development of the system. A framework can be established. This framework includes common code, thus minimising the programming required to implement each feature.

Maintenance

As business evolves, the software must follow suite. ISoftware endeavours to architect the software in such a way to make this evolution easy. This does not usually increase the cost of developing the software, it is often more efficient to construct and test software architected this way.

2015/08/11



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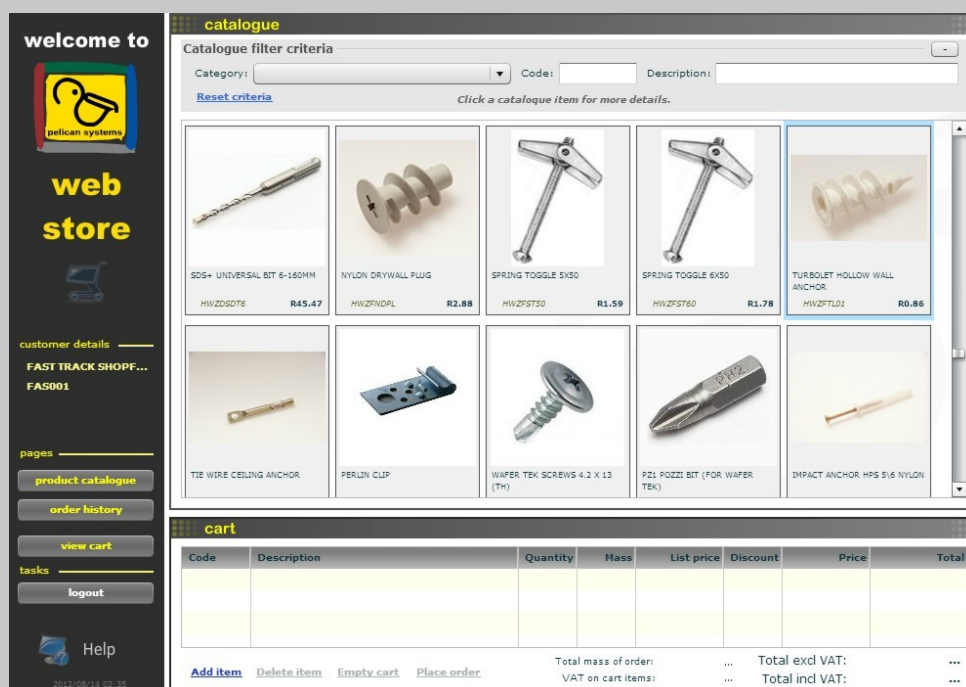
ISoftware cc

Registered in South Africa
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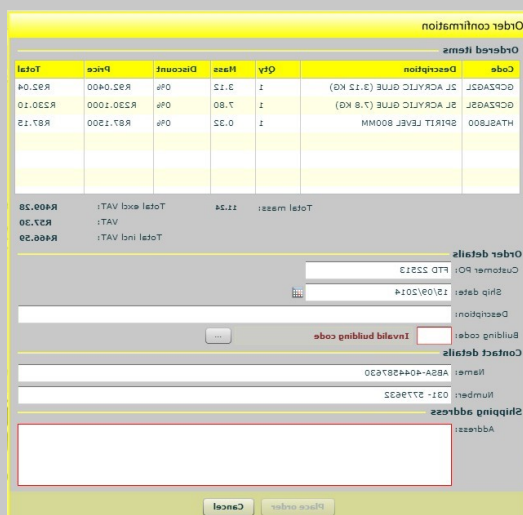
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Pelican web store

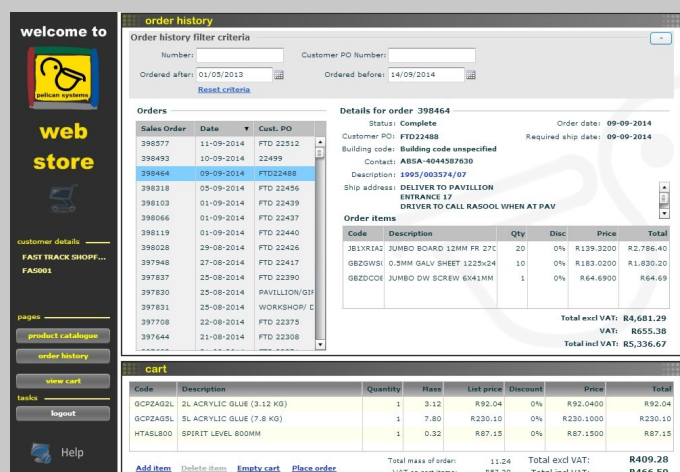
The Pelican online store allows customers to order online from Pelican Systems. A catalogue, including product photographs, is displayed to the customer. The customer can add products to their cart and checkout when required. The Pelican online store allows the customer to view their order history. The Pelican online store integrates directly with Syspro.



The Pelican web store homepage containing the product catalogue. The Customer adds products to the cart.



The order confirmation dialog box.



The order history for the Customer.

EDIConnect

EDIConnect is a supply chain management service used by Prodist. EDIConnect accepts orders from customers. Some ordered items are supplied by Prodist, others by Prodist suppliers. The suppliers can deliver directly to the customers. EDIConnect has been running since 2012. It has processed over 170000 orders on Prodist and its suppliers. EDIConnect handles the following:

- Accepts sales orders from customers, bulk and consumer.
- Places purchase orders on suppliers.
- Processes invoicing request from suppliers when then are ready to dispatch.
- Link the Prodist sales order, supplier purchase orders and associated invoice requests together providing a complete status of the customer order.
- The service is monitored by a retry service. This service endeavours to ensure all orders are processed even in an environment where communication and access to support services may be unreliable.



Prodlist web store

The Prodlist online store allows customers to order online from Prodlist. I Software did not implement the web site, it did however implement the Web site-Syspro integration. The web site interacts directly with Syspro providing Customer details, stock pricing and availability. The order is placed using EDIConnect. The Syspro interface is being enhance to include order history.



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About Prodlist

Prodlist is a wholesale distributor of agricultural requirements, hardware, general merchandise and irrigation, focused on the development of an efficient channel of supply into the agri-business and hardware retail store markets in South Africa and neighbouring countries

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LRB acquires 25% equity s

Prodlist is a wholesale distributor of agricultural requirements, hardware, tools, general merchandise, agriculture spare parts and irrigation in Southern Africa. Prodlist was established as part of the merge of the retail businesses of Senwe...

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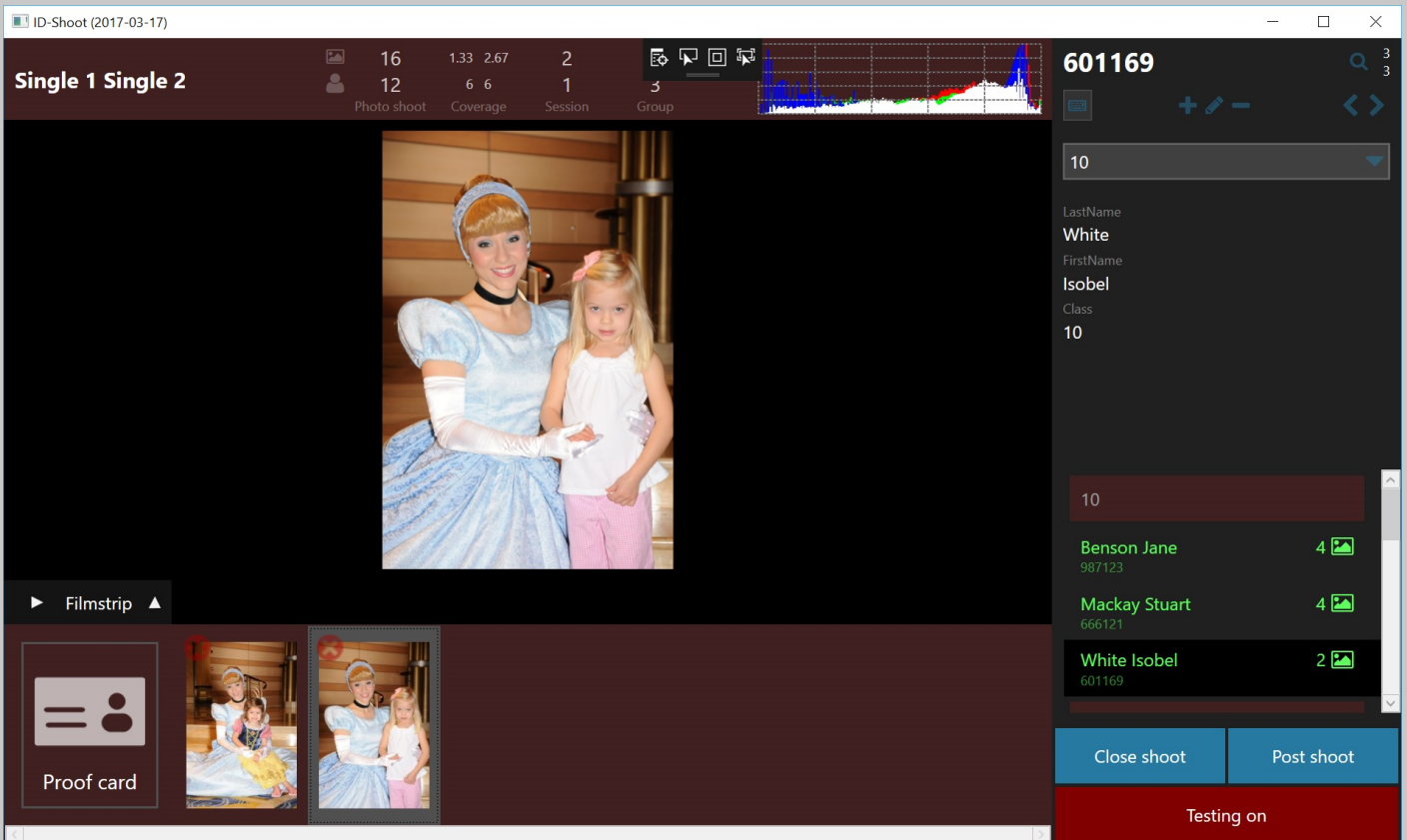
Epic mix

Epic mix is Vail resort's social web presence. It is used to encourage skiers to visit one of the Vail resorts. It provides web and mobile device access to a skier's activity at the resorts. While ISoftware did not implement the front ends, it did some of the back end processing including the digital asset store. The digital asset store is used to store and serve up different sized photographs. These photographs are used by the applications running on the different devices. The digital asset store handles over 70 000 000 images each skiing season. It is consider one of the most efficient and reliable stores currently available.

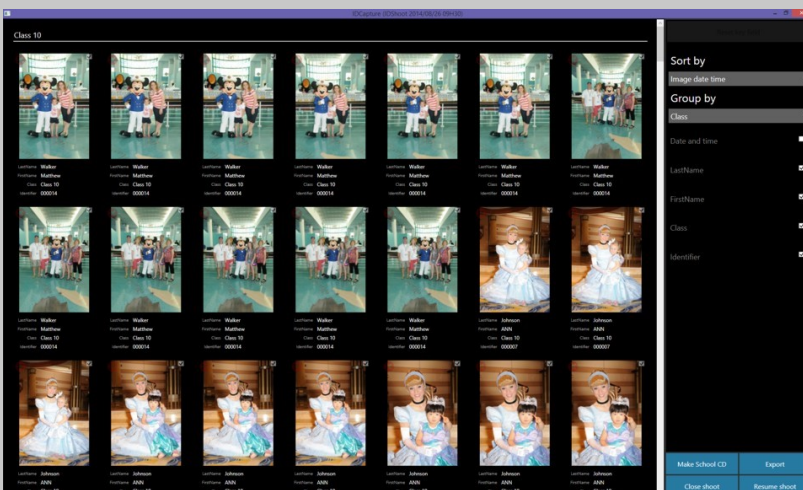
The screenshot displays the Epic Mix website interface. At the top, a navigation bar includes links for 'snow.com', 'discover our resorts', 'plan a vacation', 'mountain conditions', 'epicmix', and 'buzz'. Below this is a secondary navigation bar with links for 'Home', 'My Dashboard', 'My Photos', 'My Academy', 'Pins', 'Leaderboards', 'EpicMix Racing', 'EpicMix Resorts', and 'How It Works'. The main hero section features a large image of a group of skiers on a snowy mountain slope, with the 'epic MIX' logo and the tagline 'Capture. Connect. Share.' overlaid. Below the hero image are two promotional banners: 'View & Download Your Photos' and 'Activate Your FREE Account Today'. The central section is dominated by a large green banner that reads 'THANK YOU FOR AN EPIC SEASON! RELIVE YOUR 2013/2014 SEASON UNLIMITED PHOTOS FOR \$40'. To the right of this banner is a section titled 'TOTAL VERTICAL FEET FOR 2013/2014 THE MOUNTAINS ARE ALIVE' with a large number '82,148,035,407'. The bottom of the page features a grid of logos for various resorts and activities, including 'MIX', 'EPICMIX ACADEMY', 'EPICMIX PHOTO', and 'EPICMIX RACING'.

IDShoot

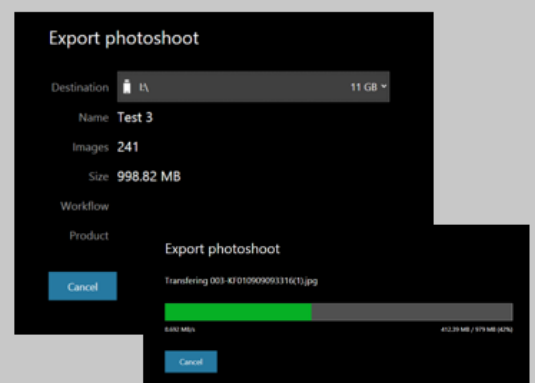
IDShoot allows a photographer to take photographs. Associate data with the photographs. Send the photographs to a lab for processing, printing and possibly online ordering.



The page used to view the photographs and associated data. Data may be added or modified, and photographs deleted if required.



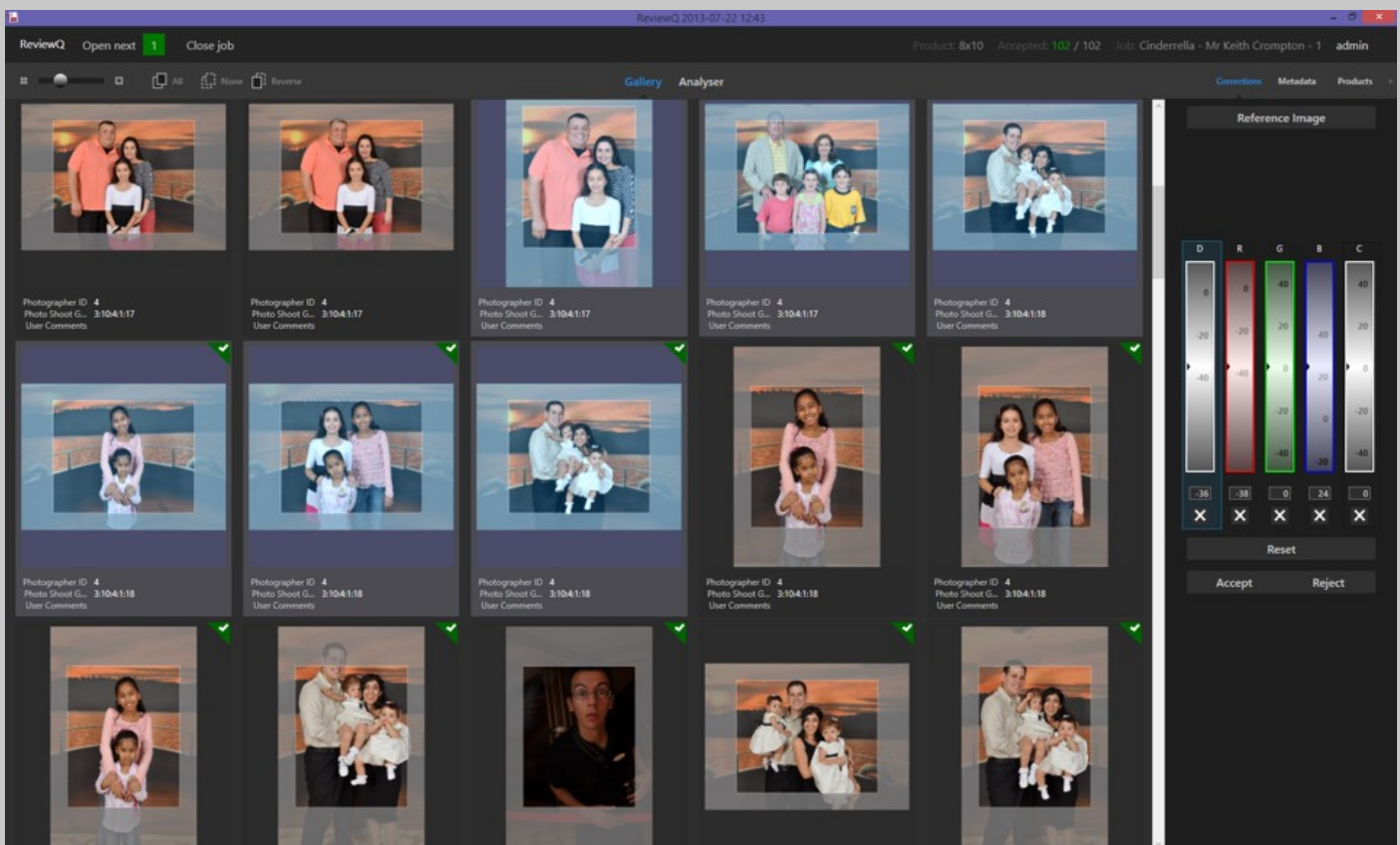
The gallery screen used to review the photo shoot.



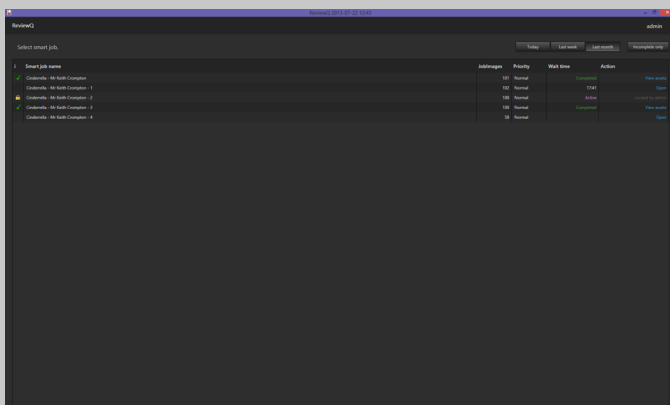
The screen used to export the photo shoot.

ReviewQ

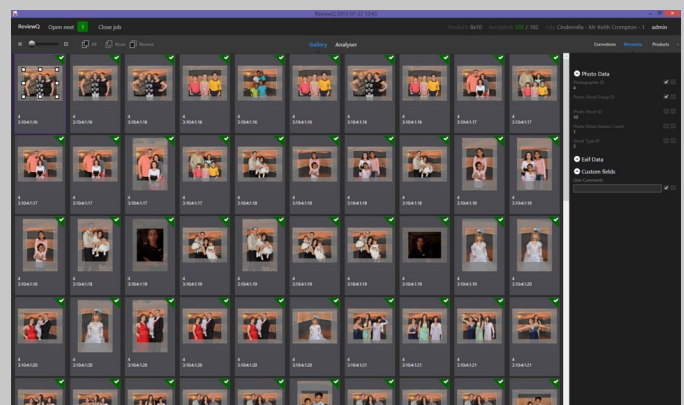
ReviewQ allows a lab to make colour corrections on photographs. It allows the operator to crop the photographs for different products. ReviewQ's main focus is the efficient handling of large photo shoots. It can define a crop and preview a colour correction on an entire photo shoot. These features are unique to ReviewQ.



The gallery screen used to define crops and preview colour corrections.



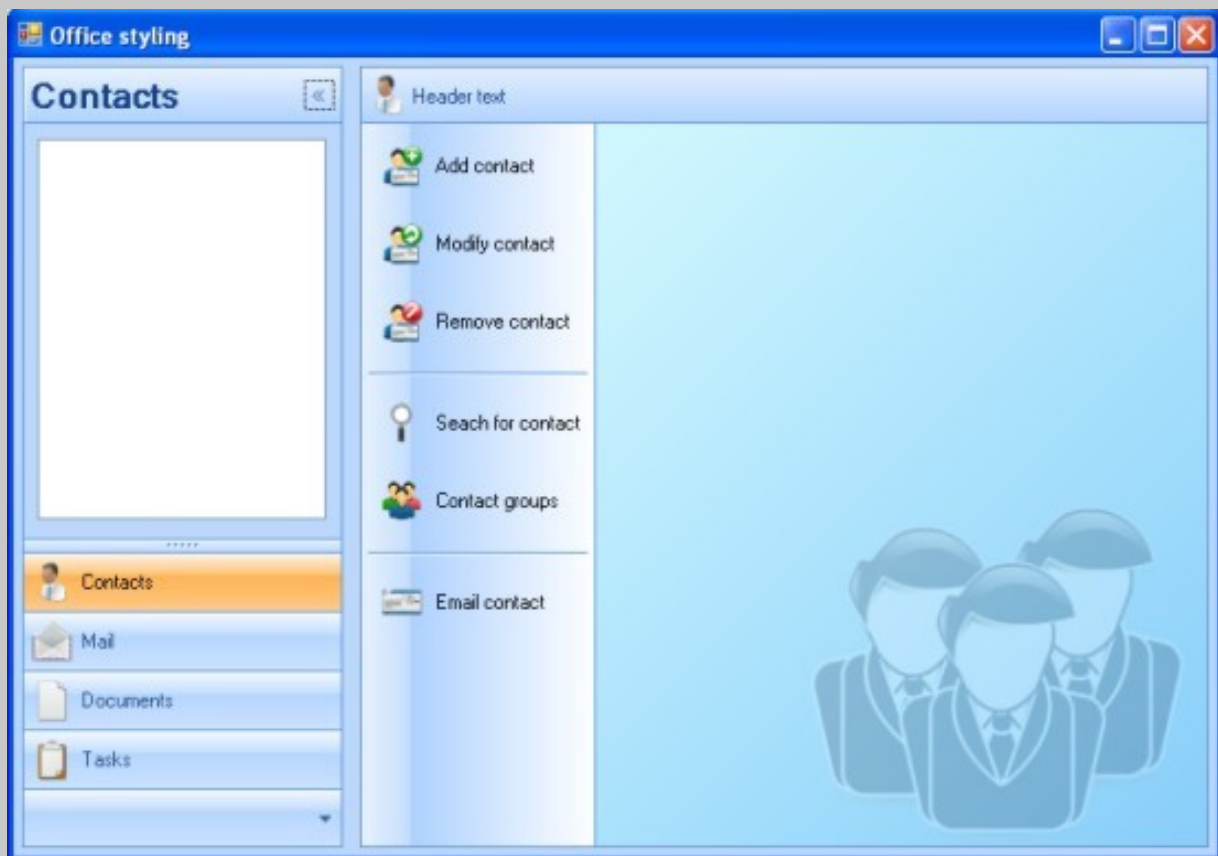
The jobs screen, listing the work to be performed by the operators.



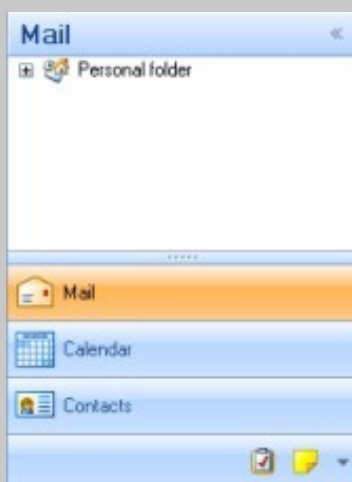
The gallery screen used to view the photograph metadata, colour corrections and crops for the different products.

Buttons and bars

Buttons and bars are .NET 2.0 controls that target the WinForms display technology. They were sold and supported from a web site. This web site is no longer available as the Windows presentation foundation replaced WinForms making the components obsolete.



A sample application constructed using Buttons and bars.



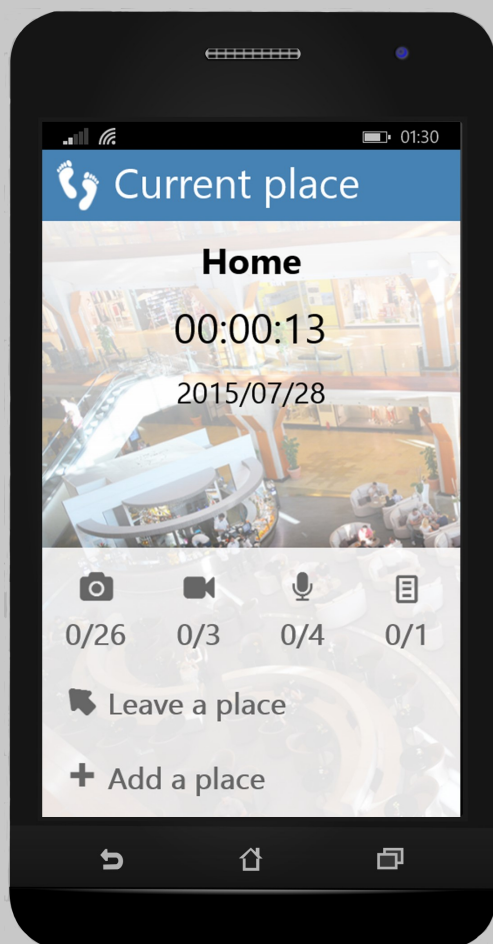
An outlook like sidebar.



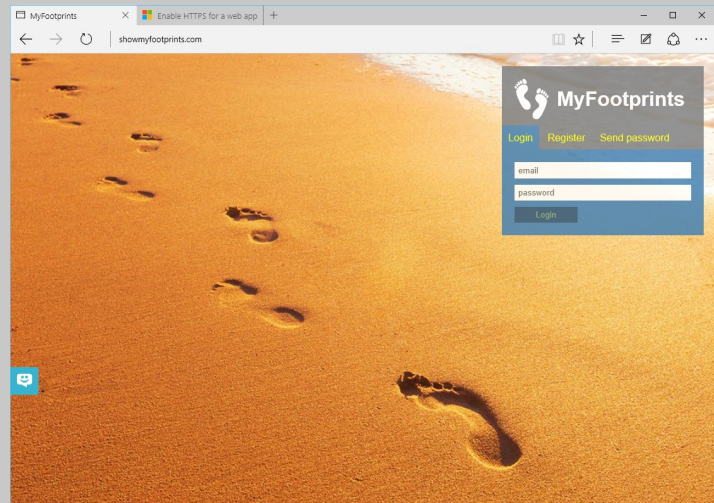
A collapsing group panel

MyFootprints

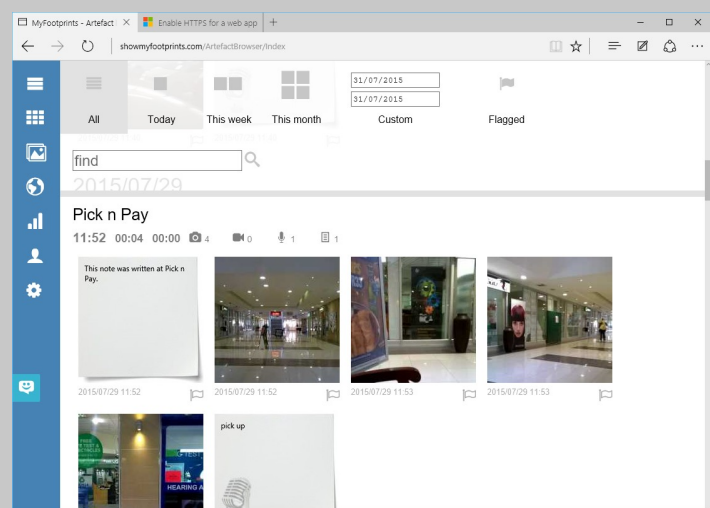
A showcase development consisting of a product website, a system website, a web service and a Xamarin based mobile application. A lot of the device hardware needs to be accessed. For this reason Xamarin was chosen for the mobile application rather than one of the Web based platforms like Cordova or Appcelerator.



Define the places you visit. Capture photos, videos, audio recordings and notes at these places. These are uploaded to a Web service.



The home page allows a user to login, register or have their password emailed to them.



View your visits and the media captured during them.

The Web service includes a processing queue. It is possible to implement processing jobs which are performed on the captured media. We have implemented a few jobs. These include: speech to text, OCR and a video processing job which rotates the video and creates an animated gif from extracted frames. It is possible to implement any processing, including integration with existing systems.

View the product information website at <http://www.showmyfootprints.com/information/index.html>.

View the product website at <http://www.showmyfootprints.com>.

Parking Fine Terminal

An EFT terminal used to scan a motor vehicle license disc and print a parking fine. The summons data is downloaded from the terminal and uploaded into the eNaTIS system.

The terminal is a PartnerTech MH100 running Windows CE 6.0. The device is currently being used in Ladysmith.



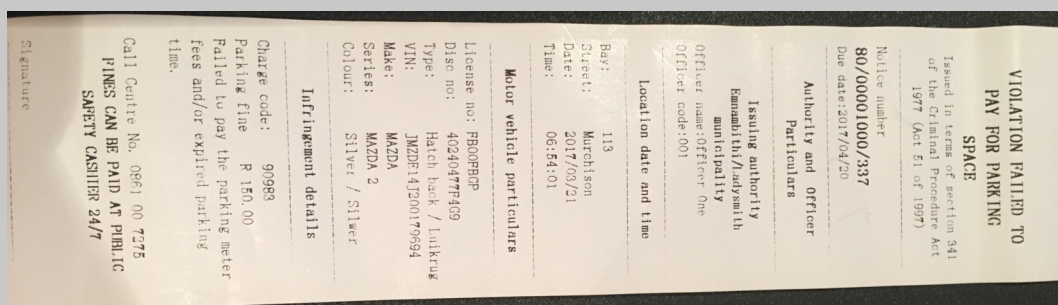
Select the type of violation committed.



Scan the 2D barcode on the license disc to obtain the vehicle details.



Specify the location of the violation.



Print the summons contains all relevant details.