



PHOTO IMPOSITION TOOL

Background

The Photo Imposition Tool was a workflow system developed for a photo printing business to enable automated imposition, printing, and delivery

Key Challenges

- ✓ Photo upload was a manual process
- ✓ Photo imposition was done manually for every image size
- ✓ No integration with the shipping application
- ✓ Order tracking was not possible.

Results

- ✓ One single application handles the entire process
- ✓ User-friendly shipping module
- ✓ Automated bar code and QR code reader
- ✓ Algorithm for the automated imposition of images based on size

Our Solution

- The system integrates with the Photo App and FedEx Server for delivery
- Photos are uploaded to the system along with an XML file containing order description and details
- The photos are transferred to a server based on the XML file information
- The Imposition Algorithm starts the process of photo imposition based on the requested size (i.e. 6X4, 5X5, 5X7, 8X10)
- The imposed photos are placed in a single file using the sorting algorithm and are sent for download by the printer
- The file is downloaded and sent for printing, lamination, cutting, packing, and delivery
- The status of each phase is updated in the tool and is visible to both the client and admin
- Status update emails are sent for each update in the tool
- The delivery details are sent to the FedEx server using the FedEx API and the delivery is tracked

Technology Involved

- PHP
- AJAX
- JSON
- MYSQL
- JQuery
- Apache
- Linux
- Bootstrap