



HARCROS E-COMMERCE CASE STUDY

Discovery & Design

Harcros came to us with an aging, non-functional product ordering system for their established business partners. They needed a new e-commerce solution that would allow them to create products and groupings, but also give them the ability to restrict what each individual company is able to purchase. This ability was essential to ensure that companies could only buy the chemicals they were rated for.

Since the existing system was non-functional, we proposed rebuilding the ordering system from the ground up. We had previously designed the primary Harcros website, so we utilized the designs we created and applied them to the e-commerce site so branding was consistent. We also did extensive discovery on the checkout process, creating user stories and mapping out all functionality before buildout began.

Buildout

When Code Koalas started planning the buildout, we internally mapped out every step and entity that would be utilized and confirmed them with the client. We then took that information and built the underlying structure of the site. The backend workflow was integrated into the site, forms and admin actions were created, and product views were generated. Once all backend functionality had been built, we focused on styling the front end to ensure an easy ordering process for the business clients. Utilizing VueJS, we were able to create a responsive and intuitive layout that admins and customers were able to easily utilize to find and order products. Finally, additional post-checkout workflows were built, including email receipts, order status, and nightly product imports

One of the biggest challenges we faced was creating a custom import process for the thousands of products that Harcros manages. To accomplish the import process, we created a custom cron job that ran nightly. The cron pulled a pipe delimited file (PSV) from an Amazon S3 bucket that Harcros updated regularly, and updated products as needed.

Launch

The new Harcros e-commerce solution delivers a reliable, future-proof user experience. Established business partners are able to log in, immediately see the supplies they can order and checkout. The Harcros order fulfillment department is easily able to import, create and manage new companies and their product associations. Download links for OSHA docs are also displayed on their ordering page, ensuring that each company has the information they need to keep their employees safe. The complexity of Harcros's new B2B e-commerce site has been streamlined and simplified, leading to increased revenue and customer satisfaction among their multinational business partners.

MY COMPANY'S ORDER FORM

FIRST PRODUCT GROUPING

Quantity	Custom Label	HC Code	Product Description	Package Description	Package Weight	U/M	Freeze Point (F)	SDS
<input type="text" value="0"/>	Custom Column	33247	AB Andisil SP19	DRUM	440.00	LB	0.00	322551-01.pdf
<input type="text" value="0"/>	Custom Column	12312	Lithium Hydroxide Mono FMC	DRUM	220.00	LB	878.00	322657-01.pdf
<input type="text" value="0"/>	Custom Column	12315	T Mulz 1204	POUND	1.00	LB	0.00	320274-02.pdf
<input type="text" value="0"/>	Custom Column	31629	Sodium Hypochlorite 12.5	NONE	330.00	GL	-4.00	320222-06.pdf
<input type="text" value="0"/>	Custom Column	36667	T Soft C 30	NONE	2900.00	LB	0.00	326327-01.pdf
<input type="text" value="0"/>	Custom Column	36665	Triethylenetetramine Huntsman	BULK BIN	441.00	LB	-4.00	321499-02.pdf

Please fill out this field.

NEW PRODUCT BUNDLE

Quantity	HC Code	Product Description	Package Description	Package Weight	U/M	Freeze Point (F)	SDS
<input type="text" value="0"/>	36670	Pet-Can Peerless LLG	DRUM	175.00	KG	0.00	326229-01.pdf

From water treatment and mining to oil and gas production, Harcros Chemicals provides technical assistance in choosing the most effective chemical product. Through their industry specialists and R&D laboratories, they are able to develop innovative solutions for their customers' needs.

Objectives

- Rebuild the existing non-functional Business to Business product ordering system
- Manage companies and product groupings
- Easily associate product groupings with companies, restricting what each company is able to order
- Improved flexibility and filtering when viewing products online

Core Solutions

- Integration of Amazon's S3 bucket for online file hosting
- Utilizing VueJS to ensure easy and fluid page interactions
- Created custom crons to compare and import new products on a nightly basis
- Functional designs that maintain consistent branding



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