

MICHIGAN STATE
UNIVERSITY

Beta Presentation

HTML5-Based WYSIWYG Label Designer

[The Capstone Experience](#)

Team Plex Systems

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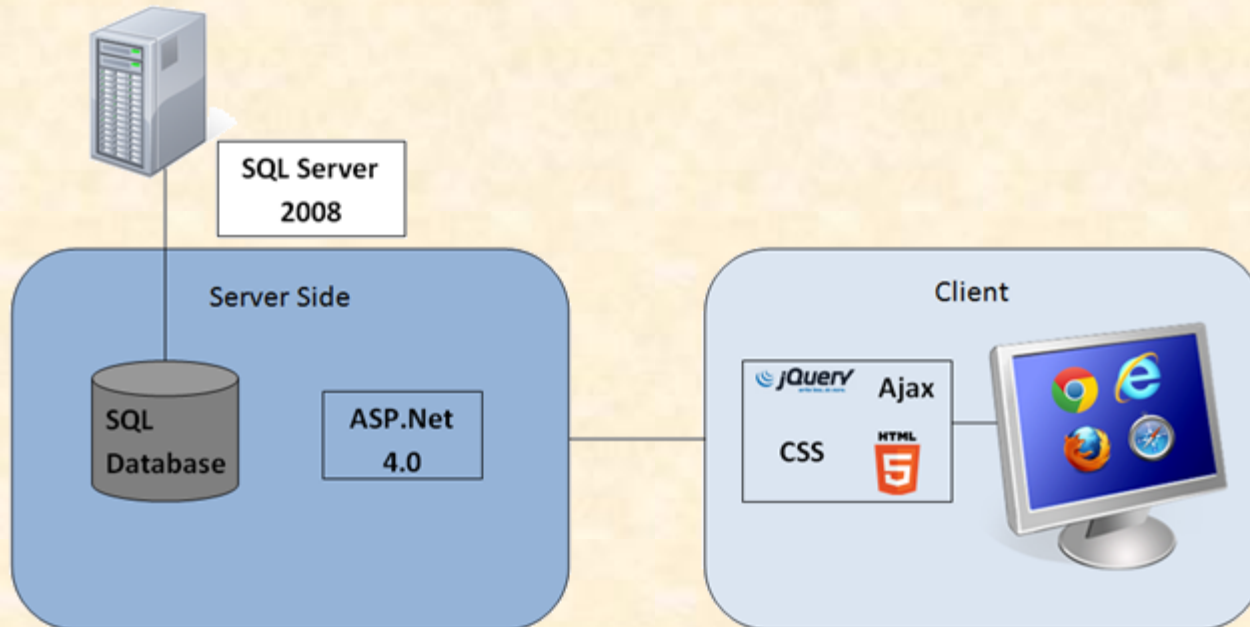
*From Students...
...to Professionals*

Project Overview

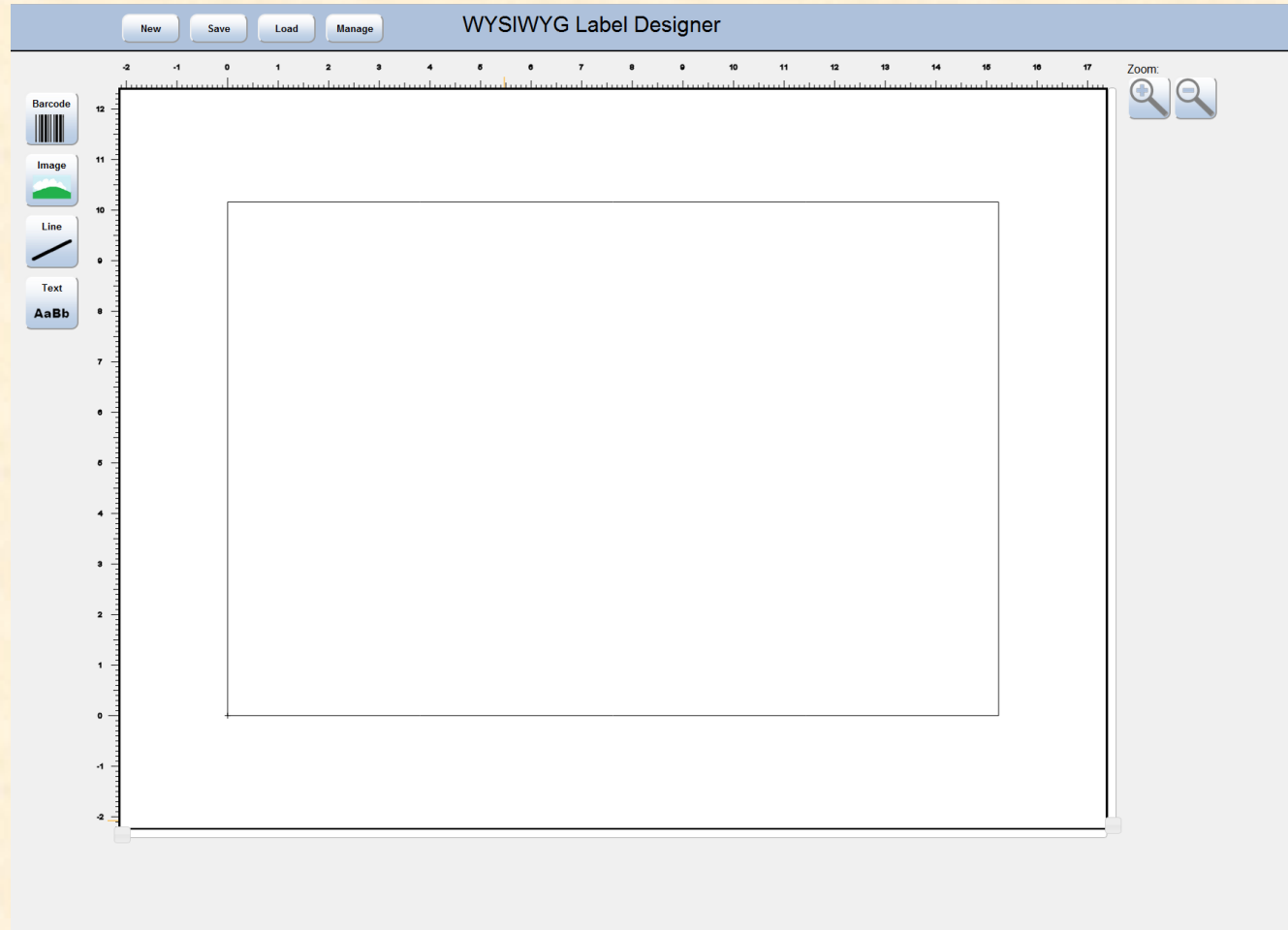
- HTML5-based WYSIWYG Label Designer
 - Label designer created with web technologies
 - Application supports major modern browsers
 - Browser support depends on HTML5 implementation
 - Support end user creation of new label layouts
 - Created label flows are used in tracking manufacturing processes
 - SQL Server receives designs and provides them to the user



System Architecture



Main Application View



Placed Object

The screenshot displays the WYSIWYG Label Designer interface. The main workspace shows a label layout with the following content:

From: XYZ Company 123 Spartan Lane East Lansing, MI 48823 Supplier # 6381BC	To: Capstone 724 Red Cedar Rd. East Lansing, MI 48824 Dock: B9 Del. Loc. DL 2939502
Part No. (PN) 638292-01	Rev. No. C01
Quantity (Q) 10000	Part Desc. Mid Riser

A barcode is placed on the label, corresponding to the Part No. 638292-01. This barcode is highlighted with a green border, indicating it is the selected or 'placed' object. Another barcode is visible at the bottom of the label, highlighted with a red border.

The software interface includes a menu bar (New, Save, Load, Manage), a ruler, and a toolbar on the left with icons for Barcode, Image, Line, and Text. On the right, there is a Zoom control, Position fields (X: 4.77, Y: 53.30), Size fields (Width: 60, Height: 15), Rotate controls, Barcode settings (Type: Code 39, Static/Dynamic), and Codeword/DB Field fields.



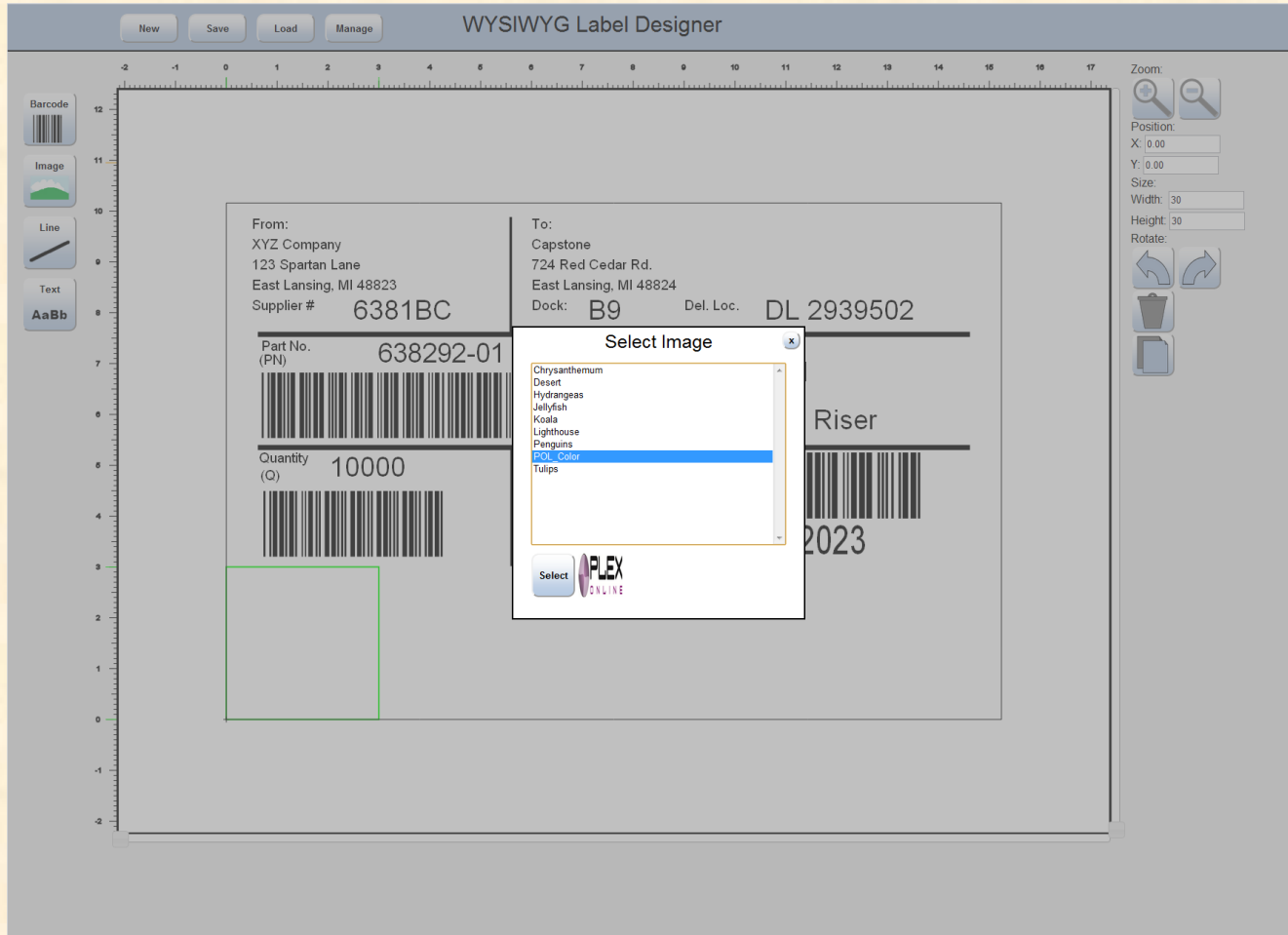
Element Properties

The screenshot displays the WYSIWYG Label Designer interface. The main workspace shows a label layout with the following content:

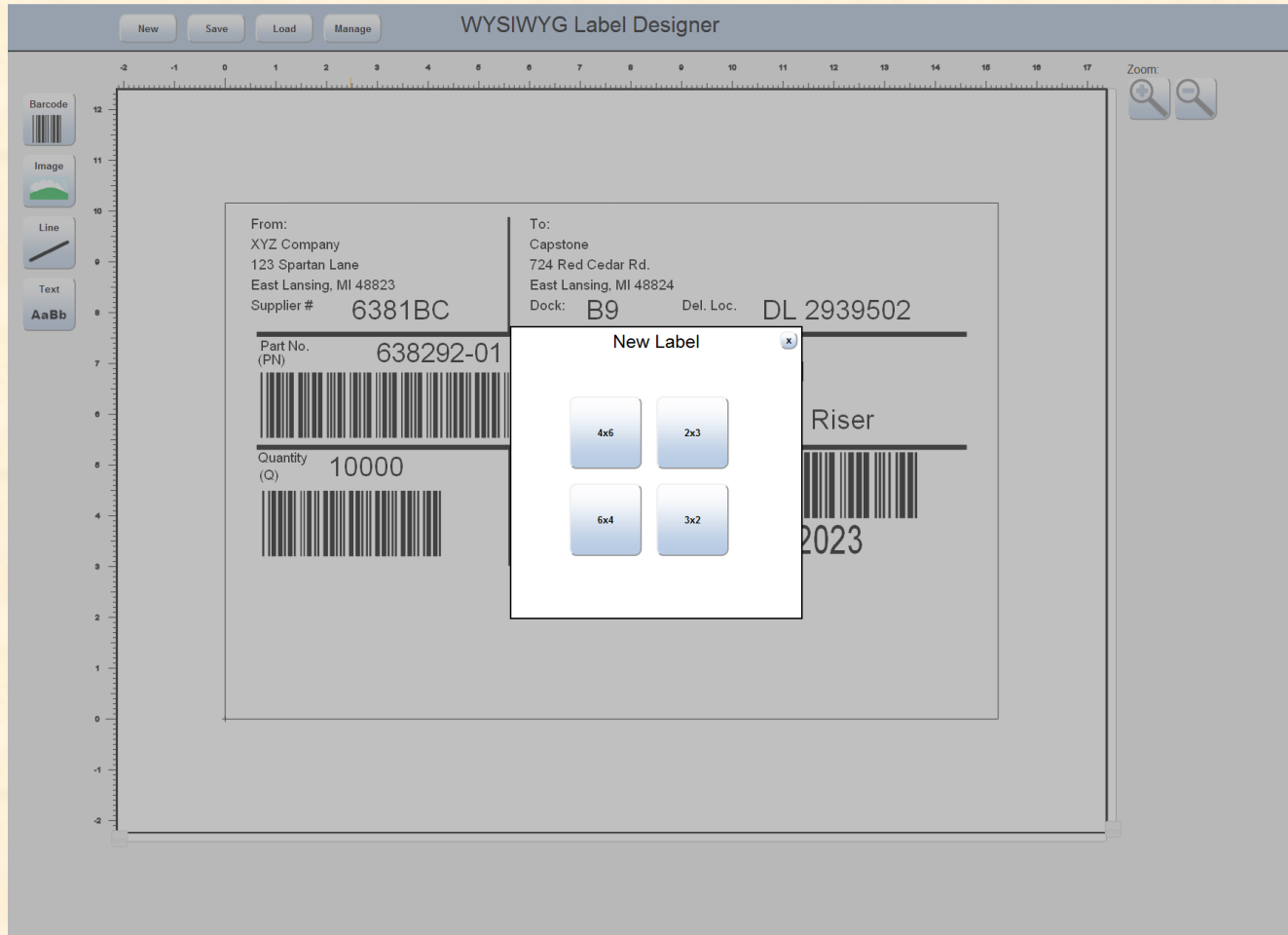
From: XYZ Company 123 Spartan Lane East Lansing, MI 48823 Supplier # 6381BC	To: Capstone 724 Red Cedar Rd. East Lansing, MI 48824 Dock: B9 Del. Loc. DL 2939502
Part No. (PN) 638292-01 Quantity (Q) 10000	Rev. No. C01 Part Desc. Mid Riser Purchase Order (O) R087392023

The interface includes a top menu bar with 'New', 'Save', 'Load', and 'Manage' buttons. A vertical toolbar on the left contains icons for Barcode, Image, Line, and Text. A right-hand panel provides settings for Zoom, Position (X: 91.00, Y: 27.67), Size (Width: 35, Height: 15), Rotate, and Text (Static/Dynamic, Text: R, DB Field: 087392023). A ruler at the top indicates a scale from -2 to 17.

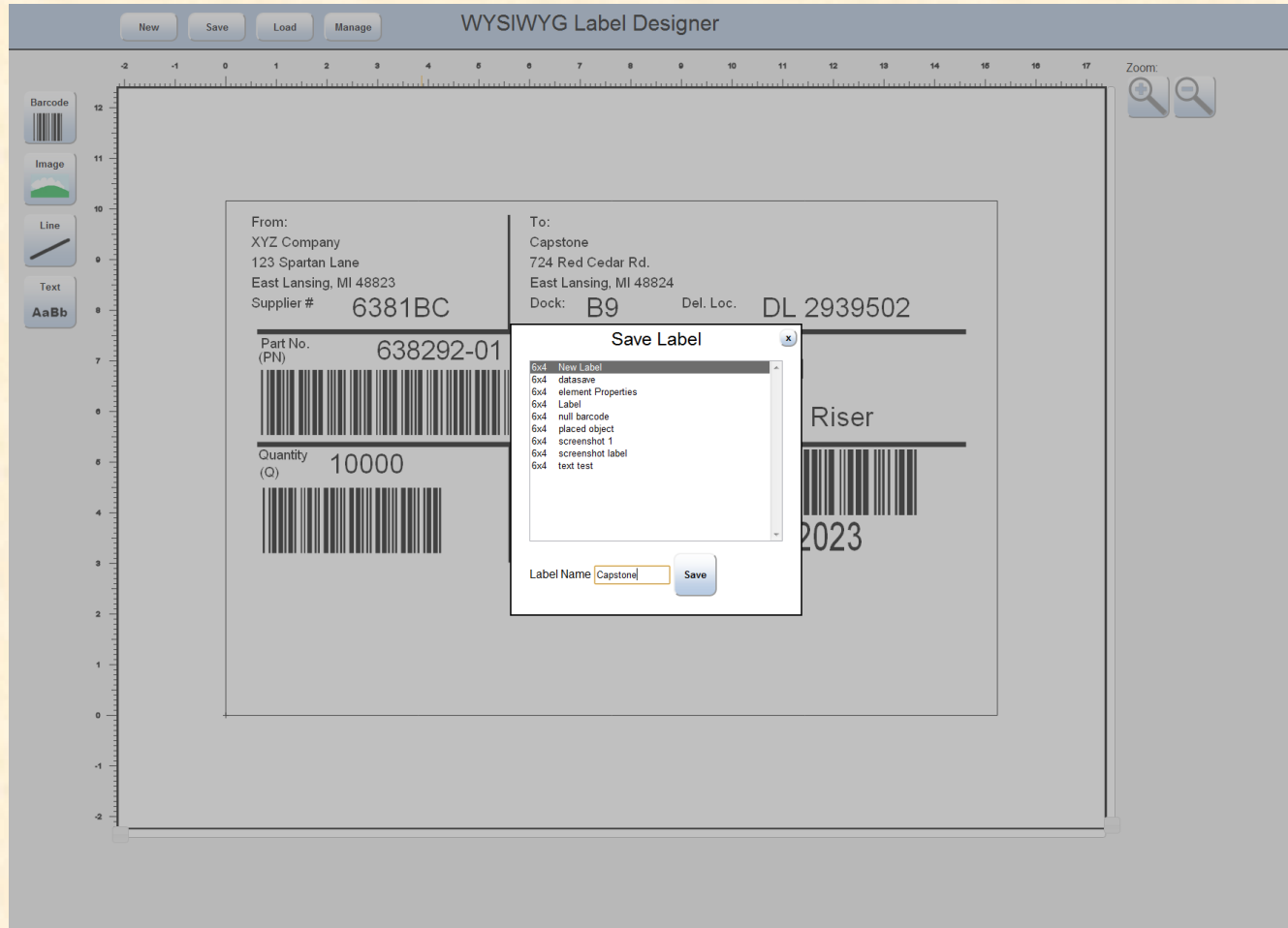
Image Selection Dialog



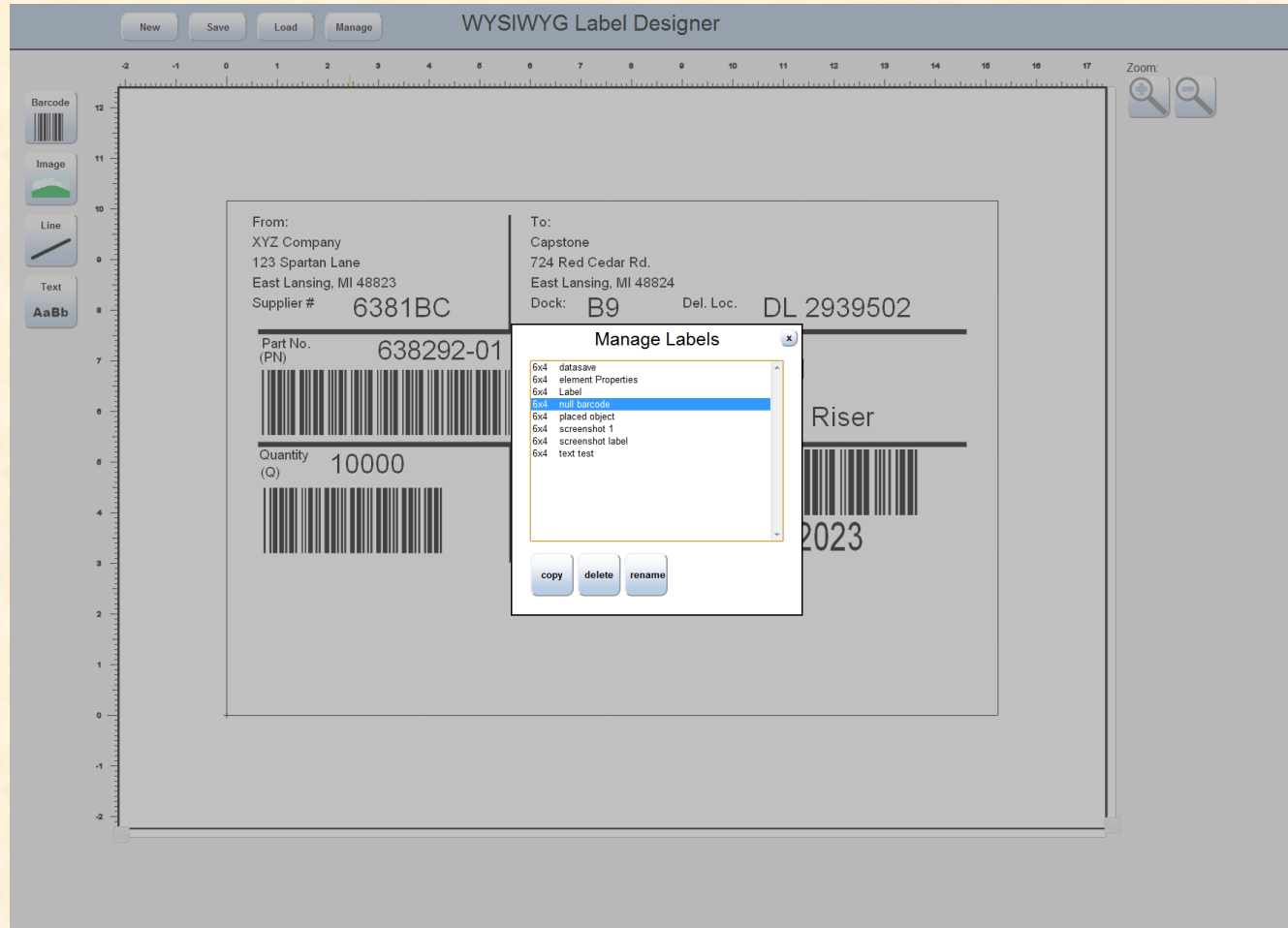
New Label Dialog



Save Label Dialog



Manage Existing Labels Dialog



Completed Label Example

The screenshot displays the WYSIWYG Label Designer interface. The title bar includes buttons for 'New', 'Save', 'Load', and 'Manage'. A horizontal ruler at the top shows units from -2 to 17. On the left, a vertical toolbar contains icons for 'Barcode', 'Image', 'Line', and 'Text'. The main workspace shows a completed shipping label with the following content:

From: XYZ Company 123 Spartan Lane East Lansing, MI 48823 Supplier # 6381BC		To: Capstone 724 Red Cedar Rd. East Lansing, MI 48824 Dock: B9 Del. Loc. DL 2939502	
Part No. (PN) 638292-01 		Rev. No. C01 Part Desc. Mid Riser	
Quantity (Q) 10000 	 Purchase Order (O) R087392023		
Serial No. (3S) 99999999 		 Packing List # (39F) 12345678	



What's left to do?

- Project Plan completion
- User / Administrator Documentation
- Project Video
- Continued Error Testing