SuperMail: Milestone 4

Description & Schema Changes

SuperMail is an Oracle/PHP webapp that is designed to allow users to create new orders, update existing orders, filter orders based on specific attributes, manage employees, and track information sensitive to the company like pricing, chain of custody, and customers that receive a high volume of packages.

We chose tables that made sense to be joined dynamically to fit the previous criteria for Milestone 5 (DeliveryOrder with either Employee or EmployeeWorkArea). Users are allowed to pick which one of these they prefer from a drop-down menu.

Our schema changed slightly as SuperMail evolved. Firstly, we changed the Items table to include 3 separate fields for the dimensions of packages, rather than have it in one. This change makes it easier for employees to price those Items while creating an order. Secondly, in DeliveryOrder, we originally had a single date field, intending that to be the date of the order creation. We modified it to include a second date (delivery_date, which can be null if the package is not yet delivered) and we have updated their types to Date. Lastly, we changed the primary key in PostOfficeServicedBy to POID. It was previously Work_Area, but that field is not always unique and thus not a suitable choice for a primary key. The rest of our schema remains the same.