MATRICS
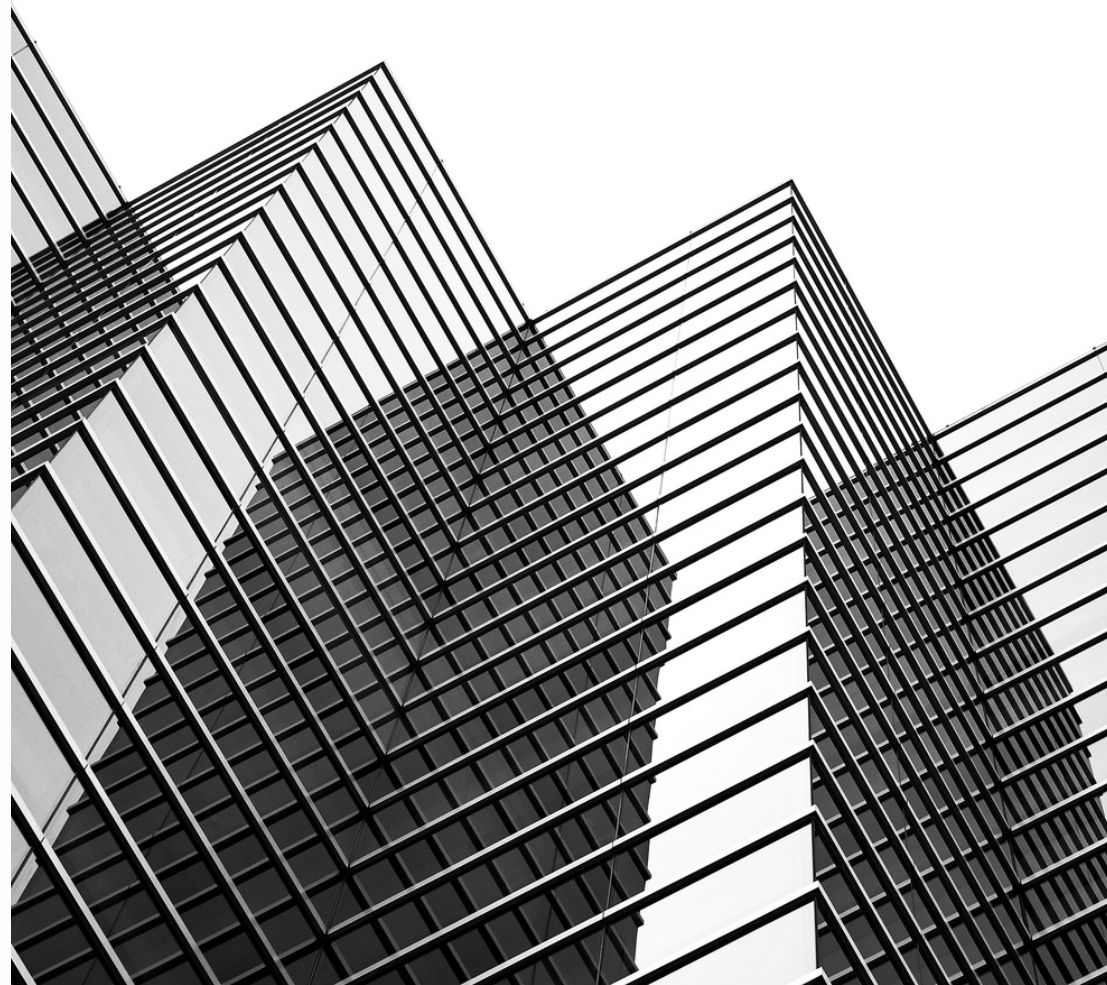
CUSTOMER CENTRIC DATABASE
DESIGN

OVERVIEW

MATRICS is an application focussed on the management and administration of accreditations and training for (primarily) the maritime industry.

In it's development, MATRICS has been built as one system servicing one customer. During Phase 2 we need to change this to be able to serve multiple, distinct, customers from one database/application.

CORE PRINCIPLES

Multi-Customer

The database must support unique customers in so much that when using MATRICS, it feels as though they are the only customer.

Separation of customer specific objects

The following objects must be made customer specific - assets, employees, courses, accreditations, reports and training matrixes

Seemless login

Users that are realted to only one customer (employees, customer admins), should be able to login as currently, with no additional steps

Admin customer selection/login

Users that are related to more than one customer (CTS or system adminis), should be shown a screen following login, to select the customer they want to view.
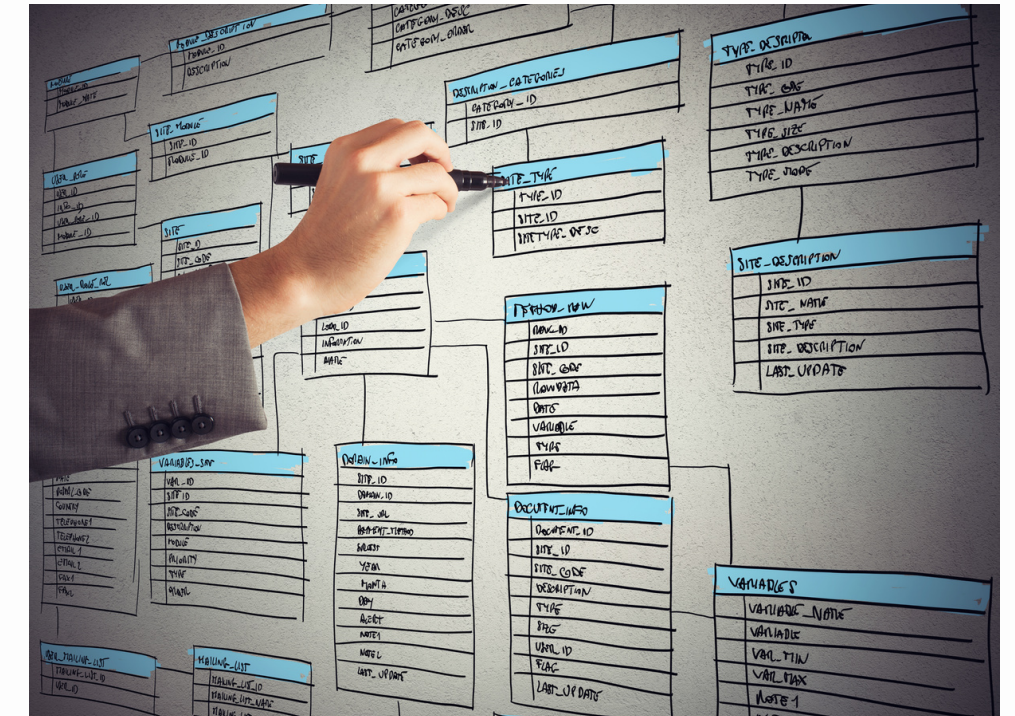
Admin Customer switching

Users that are related to more than one customer (CTS and system adminis), should be able to switch customers without needing to log out via a dropdown menu within the application

DATABASE CHANGES

The following high level changes will be required within the database

Customer table

A table for customer object will be required with each row representing one customer of Clyde training. A row will contian, name, contact information, contract start and end dates.

Customer ID added to object schemas

The following objects require a new column of "CustomerID" which links to the new customer table:
Asset, User, training matrix, course, accreditation, reports, tasks.

Stored Procedures and function changes

All database CRUD operations affecting customer specific objects will need to be updated to include a "CustomerID" parameter.