

Specifying data requirements

Chapter 13

Entity-Relationship Diagram (Chen)

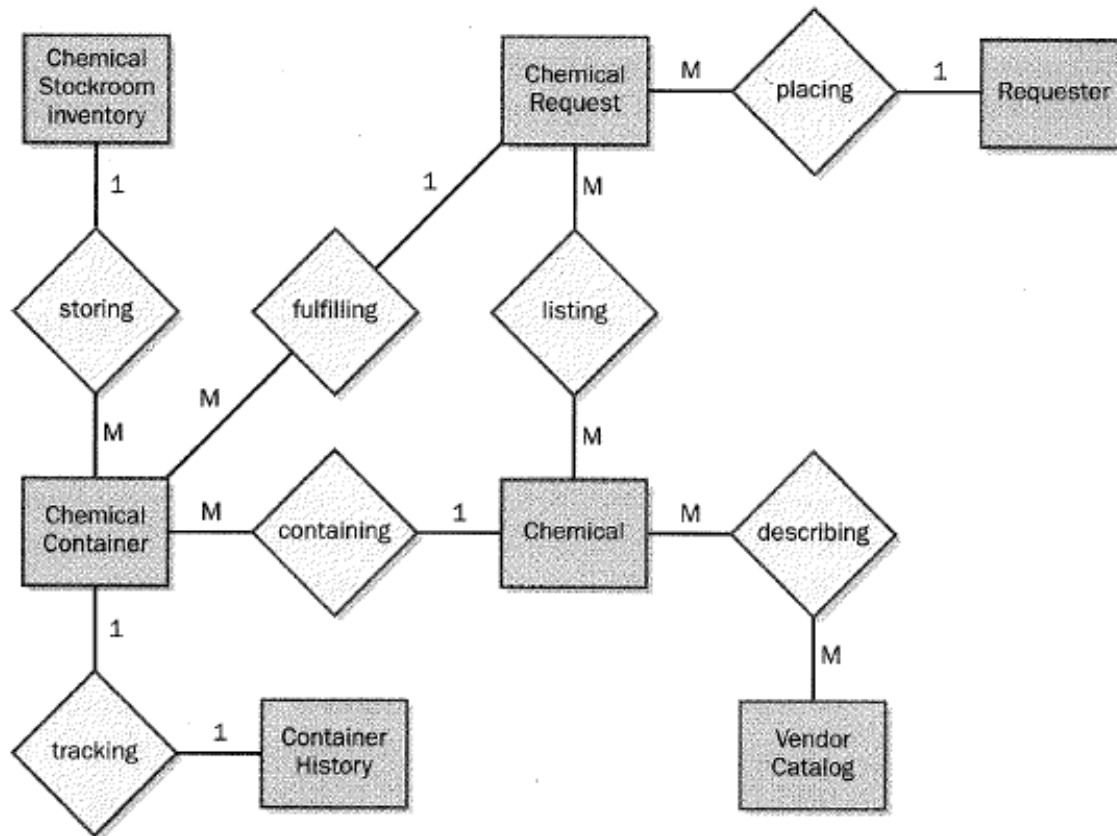
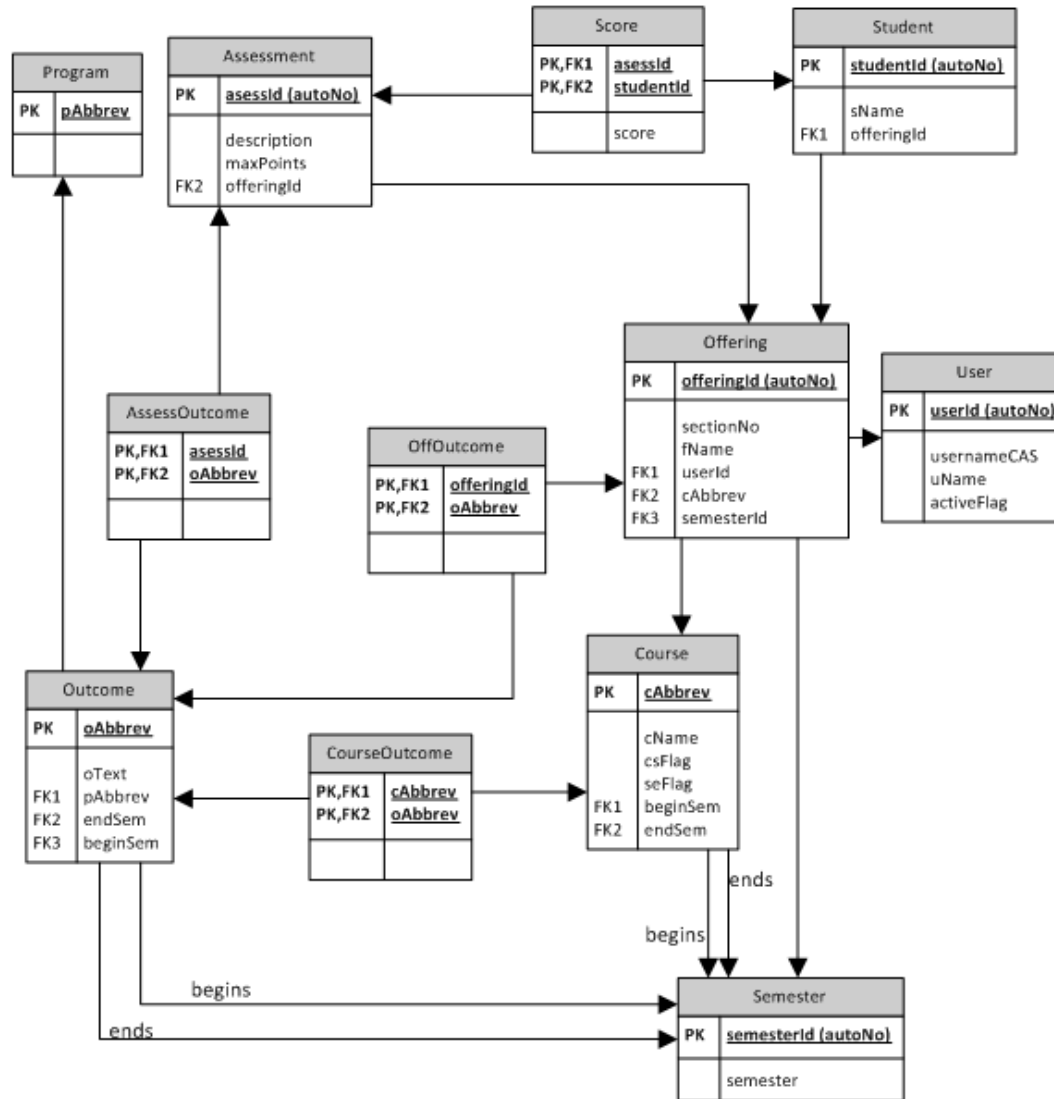


Figure 11-2 Partial entity-relationship diagram for the Chemical Tracking System.



AbOut DB Schema

Low Level
5/25/2012



Sample CRUD Matrix

Use Case \ Entity	Order	Chemical	Requester	Vendor Catalog
Place Order	C	R	R	R
Change Order	U, D		R	R
Manage Chemical Inventory		C, U, D		
Report on Orders	R	R	R	
Edit Requesters			C, U	

FIGURE 13-5 Sample CRUD matrix for the Chemical Tracking System.



SRS template

Appendices

A – Definitions, Acronyms and Abbreviations

B – Analysis models

C - Data Dictionary

D – Report Specification (optional)

E – Business Rules (optional)

F - Sample User Interface (optional)

G - Issues



Data Dictionary

Data Element	Description	Composition or Data type	Length	Values
<i>Name of data item being defined</i>	<i>Textual description of the business meaning of the data element</i>	<i>For primitive data elements: data type (integer, floating point, alphabetic, date, etc.) and, as appropriate, format (e.g. date as MM/DD/YYYY). For data structures show the components that comprise the structure. ,</i>	<i>Maximum number of characters for primitives; blank for structures</i>	<i>List of allowed values, default, rules governing legal values, and any other description of the data values</i>



Report Specification

Report ID:	
Report Title:	
Report Purpose:	
Data Sources:	
Frequency and Disposition:	
Latency:	
Visual Layout:	
Header and Footer:	
Report Body:	
End-of-Report Indicator:	
Interactivity:	
Security Access Restrictions:	



Dashboard Reporting



Dashboard Reporting

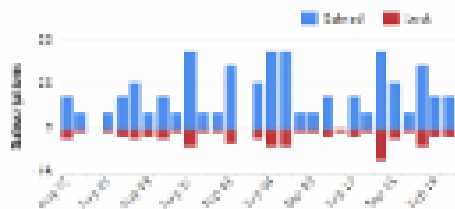
Klipfolio

Social Media - Overview

Social Media Followers



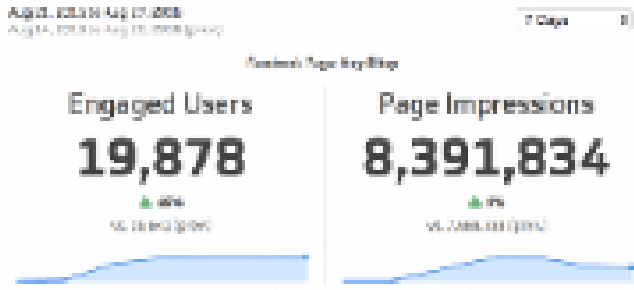
YouTube Subscribers (Last 30 Days)



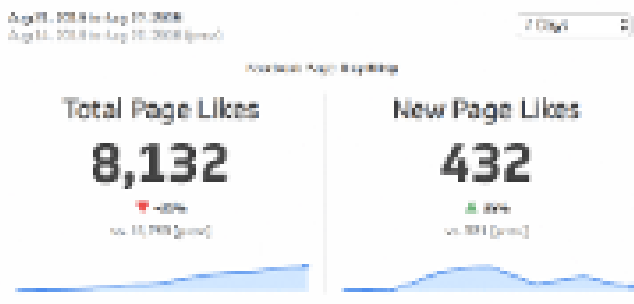
LinkedIn Key Metrics (Last 30 Days)

Metric	Last 30 Days	Next 30 Days	30 Day Trend
Views	1,197	1,271	
Shares	80	90	
Reposts	77	88	
Followers	11,802	11,881	
Site Visits	304	330	
Impressions	444,046	441,440	
Engagement	1.31%	1.01%	

Facebook Engaged Users and Page Impressions



Facebook Page Likes



Twitter Favorites of Last 10 Tweets



Twitter Retweets of Last 10 Tweets



Instagram Overview

192
Posts

289
Followers

109
Following