**Team 7E CS605 - HB2   
Phase 3 SQL for Views  
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CREATE VIEW VTrainer AS

SELECT \* FROM TRAINER;

CREATE VIEW VClass AS

SELECT \* FROM CLASS;

CREATE VIEW VClassroom AS

SELECT \* FROM CLASSROOM;

CREATE VIEW VHardware AS

SELECT \* FROM HARDWARE;

CREATE VIEW VHardware\_software AS

SELECT \* FROM HARDWARE\_SOFTWARE;

CREATE VIEW VSoftware AS

SELECT \* FROM SOFTWARE;

CREATE VIEW VCourse\_software AS

SELECT \* FROM COURSE\_SOFTWARE;

CREATE VIEW VCourse AS

SELECT \* FROM COURSE;

CREATE VIEW VQualification AS

SELECT \* FROM QUALIFICATION;

CREATE VIEW VEnrollment\_request AS

SELECT \* FROM ENROLLMENT\_REQUEST;

CREATE VIEW VCourse\_prerequisites AS

SELECT \* FROM COURSE\_PREREQUISITES;

CREATE VIEW VClient AS

SELECT \* FROM CLIENT;

CREATE VIEW VMembership\_purchase AS

SELECT \* FROM MEMBERSHIP\_PURCHASE;

CREATE VIEW VMembership AS

SELECT \* FROM MEMBERSHIP;

CREATE VIEW VAuthor AS

SELECT \* FROM AUTHOR;

CREATE VIEW VAuthor\_book\_listing AS

SELECT \* FROM AUTHOR\_BOOK\_LISTING;

CREATE VIEW VCourse\_book AS

SELECT \* FROM COURSE\_BOOK;

CREATE VIEW VOrder\_line AS

SELECT \* FROM ORDER\_LINE;

CREATE VIEW VOrdert AS

SELECT \* FROM ORDERT;

CREATE VIEW VVendor AS

SELECT \* FROM VENDOR;

CREATE VIEW VShipment\_line AS

SELECT \* FROM SHIPMENT\_LINE;

CREATE VIEW VShipment AS

SELECT \* FROM SHIPMENT;

CREATE VIEW VCourse\_book\_vendor AS

SELECT \* FROM COURSE\_BOOK\_VENDOR;

CREATE VIEW Q1A AS

select distinct

membership\_purchase.client\_number, count(membership\_purchase\_id) CountMemberships, sum(membership\_payment) SumMembershipPmts

from membership\_purchase

group by membership\_purchase.client\_number

order by membership\_purchase.client\_number;

CREATE VIEW Q1B AS

select distinct

enrollment\_request.client\_number, count(reference\_number) CoursesEnrolled, sum(payment) CoursePayment

from enrollment\_request

where enrollment\_request.status = 'e'

group by enrollment\_request.client\_number

order by enrollment\_request.client\_number;

CREATE VIEW MOST\_VALUABLE\_CLIENT AS

select distinct

client.client\_number "Client Number", client.first\_name "Client Name", coalesce(q1a.countmemberships, 0) "Membership Count", coalesce(q1a.summembershippmts, 0) "Total Membership Payments", coalesce(q1b.coursesenrolled, 0) "Total Courses Enrolled", coalesce(q1b.coursepayment, 0) "Total Enrollment Fees"

from client, q1a, q1b

where q1a.client\_number (+) = client.client\_number

and q1b.client\_number (+) = client.client\_number

order by client.client\_number;

CREATE VIEW MEMBERSHIPSFORTOPCLIENTS AS

select

first\_name "Client Name",

client.client\_number "Client Number",

membership\_code "Membership Category",

date\_of\_assignment as "Membership Start Date",

date\_of\_assignment+365 as "Membership End Date"

from client, membership\_purchase

where client.client\_number = membership\_purchase.client\_number

and client.client\_number in

(select "Client Number" from MOST\_VALUABLE\_CLIENT where

"Total Enrollment Fees" > (select AVG("Total Enrollment Fees") from MOST\_VALUABLE\_CLIENT))

order by client.client\_number;

CREATE VIEW ENROLLMENTPATTERN AS

SELECT

client\_number, request\_date\_time, status

FROM enrollment\_request;

CREATE VIEW QUES4\_ENROLL\_WAITLST AS

select course.unique\_code,

course.course\_level,

enrollment\_request.request\_date\_time,

enrollment\_request.status,

enrollment\_request.payment,

count(enrollment\_request.client\_number) client\_Number

from class

join course on class.unique\_code = course.unique\_code

join enrollment\_request on class.reference\_number = enrollment\_request.reference\_number

group by course.unique\_code,

course.course\_level,

enrollment\_request.request\_date\_time,

enrollment\_request.status,

enrollment\_request.payment

order by enrollment\_request.status, count(enrollment\_request.client\_number) DESC;