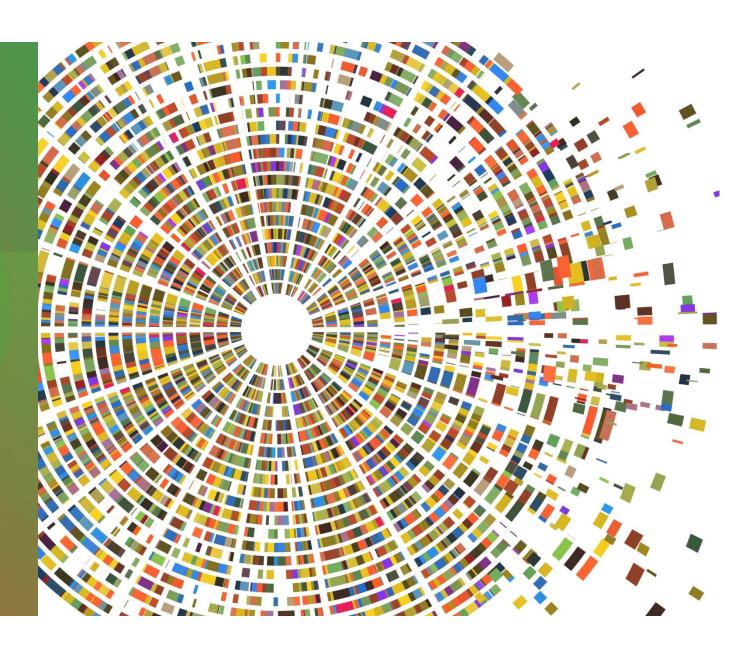
CHIZOMA OPARAJI
EPPS 6354.001
INFORMATION
MANAGEMENT

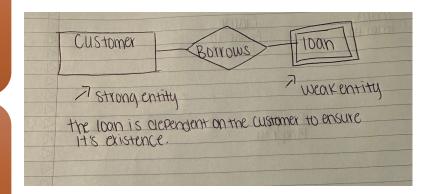
ASSIGNMENT 4



Q1.EXPLAIN THE DIFFERENCE BETWEEN A WEAK AND A STRONG ENTITY SET. USE AN EXAMPLE OTHER THAN THE ONE IN CHAPTER 6 TO ILLUSTRATE. (CONSULT CH. 6, 6.5.3)

A weak entity set depends on the existence of anther entity set

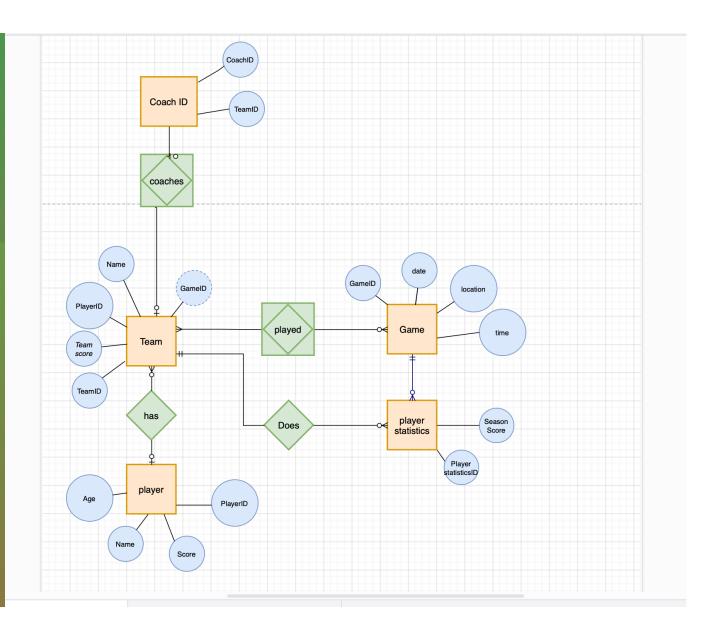
A strong entity set is not dependent on any other entity. It has its own primary keys



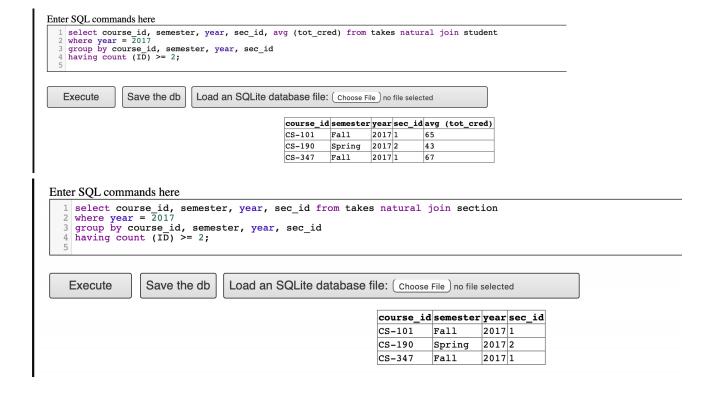
Q 2. DESIGN AN E-R
DIAGRAM FOR
KEEPING TRACK OF
THE SCORING
STATISTICS OF
YOUR FAVORITE
SPORTS TEAM.

YOU SHOULD STORE THE MATCHES PLAYED, THE SCORES IN EACH MATCH, THE PLAYERS IN EACH MATCH, AND INDIVIDUAL PLAYER SCORING STATISTICS FOR EACH MATCH.

SUMMARY
STATISTICS
SHOULD BE
MODELED AS
DERIVED
ATTRIBUTES WITH
AN EXPLANATION
AS TO HOW THEY
ARE COMPUTED.



## Q3A. EXPLAIN WHY APPENDING NATURAL JOIN SECTION IN THE FROM CLAUSE WOULD NOT CHANGE THE RESULT. (CONSULT CH. 4, 4.1.1)



Natural join only considers pairs of tuples with the same value on attributes that appear in the schemas in both relations, Since both share same common attribute, the results won't change Q3B.WRITE AN SQL QUERY USING THE UNIVERSITY SCHEMA TO FIND THE ID OF EACH STUDENT WHO HAS NEVER TAKEN A COURSE AT THE UNIVERSITY. DO THIS USING NO SUBQUERIES AND NO SET OPERATIONS (USE AN OUTER JOIN). (CONSULT CH. 4, 4.1.3)

