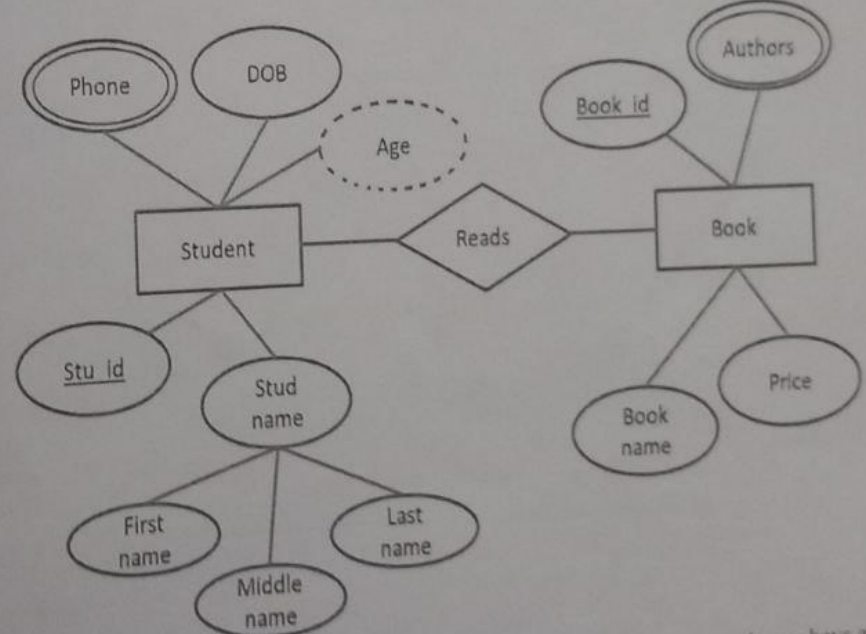


CSE311, Database Management System, Fall '24

Section: 63_G Quiz-1 Date: 17.09.2024

Marks: 15 Time: 35 Minutes

Q1.	Describe the architecture of Database Management System - DBMS.	4
Q2.	<p>"In the <u>FIFA World Cup</u> database, there are several key entities: <u>Teams</u>, <u>Matches</u>, <u>Players</u>, and <u>Tournaments</u>. Each <u>Tournament</u> has a unique identifier and a date range. <u>Teams</u> are associated with <u>Tournaments</u> through participation records and have attributes such as team name and country. <u>Matches</u> occur during a <u>Tournament</u> and involve two <u>Teams</u>; each <u>Match</u> has attributes like date, location, and scores. <u>Players</u> are linked to <u>Teams</u> and have attributes such as <u>player name</u>, <u>position</u>, and <u>nationality</u>. The relationships include 'Participates' between <u>Teams</u> and <u>Tournaments</u>, 'Plays' between <u>Teams</u> and <u>Matches</u>, and 'Includes' between <u>Matches</u> and <u>Players</u>."</p> <p>This paragraph outlines the main entities and their relationships. Now, design an ERD based on the above scenario. Be certain to indicate primary keys and cardinality constraints.</p>	6
Q3.	 <p>Convert the ERD into a relational database schema. Be certain to indicate primary keys and foreign keys.</p>	5