Lab Manual

3

EE436L: Database Engineering

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University of Engineering and Technology Lahore 2019
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Name _____

Registration Number _____

Lab Title: The Enhanced Entity-Relationship Model

Exercise 1:

   I.   Give an EER diagram with only one entity: *Person.* The information to record about persons includes their name, their mother, father, and children.

  II.   Modify your EERD to include the following special types of persons:

      a. Females

      b. Males

      c. Persons who are parents

You may wish to distinguish certain other kinds of persons as well, so relationships connect appropriate subclasses of persons.

Exercise 2:

   I.   Draw an EER diagram for a database, recording information about teams, players, and their fans, including:

      a. For each team, its name, its players, its team captain (one of its players), and the colors of its uniform.

      b. For each player, his/her name.

    c. For each fan, his/her name, favorite teams, favorite players, and the favorite color. Remember that a set of colors is not a suitable attribute type for teams so make sure you get around this restriction.

II.   Modify the above diagram to record for each player the history of teams on which he has played, including the start date and ending date (if they were traded) for each such team.