Cyber Security Department

National University of Computer & Emerging Sciences (FAST-NU)

HOMEWORK ASSIGNMENT COVER SHEET

COURSE TITLE   DATABASE SYSTEMS   COURSE CODE   CS2005

INSTRUCTOR   Dr., Zafar Iqbal, Hina Binte Haq   ■ ☐   (Please tick)

                                                         Indiv.   Group

ASSIGNMENT NO   HW-1

ASSIGNMENT   ERD

HAND OUT DATE   10-SEP-2024   DUE DATE   15-Sep-2024

ESTIMATE TIME   8 Hours

ASSESSMENT CRITERIA (or attached)	% Mark
Questions are attached (print copy) Marks Allocation (Total 10) Submission: Only print submission is required. Any mistake or missing material will lead to a reduction of 5% marks.	

TO BE COMPLETED BY STUDENT

NAME _____

ID NO _____

Section#_____

DECLARATION: I/We declare that this Coursework is my own work

SIGNATURE: _____

GRADE/ MARK AWARDED ☐   COMMENTS _____

                                                         _____

SIGNATURE   _____ DATE: _____

CONFERENCE_REVIEW database

Consider a CONFERENCE_REVIEW database in which researchers submit their research papers for consideration. Reviews by reviewers are recorded for use in the paper selection process. The database system caters primarily to reviewers who record answers to evaluation questions for each paper they review and make recommendations regarding whether to accept or reject the paper. The data requirements are summarized as follows:

■ Authors of papers are uniquely identified by email id. First and last names are also recorded.

■ Each paper is assigned a unique identifier by the system and is described by a title, abstract, and the name of the electronic file containing the paper.

■ A paper may have multiple authors, but one of the authors is designated as the contact author.

■ Reviewers of papers are uniquely identified by e-mail address. Each reviewer's first name, last name, phone number, affiliation, and topics of interest are also recorded.

■ Each paper is assigned between two and four reviewers. A reviewer rates each paper assigned to him or her on a scale of 1 to 10 in four categories: technical merit, readability, originality, and relevance to the conference. Finally, each reviewer provides an overall recommendation regarding each paper.

■ Each review contains two types of written comments: one to be seen by the review committee only and the other as feedback to the author(s).

Additional Requirements: The conference organizers have requested several enhancements to the database to better manage the review process and provide more detailed insights.

- **Multiple Review Rounds**: The conference will now have multiple review rounds. Each paper will go through at least two rounds, and the reviewers for each round may be different.

- **Reviewer Ratings History**: The system should track the historical ratings given by each reviewer to assess their consistency and reliability.

- **Paper Acceptance/Rejection Criteria**: The system should allow the organizers to define specific criteria for accepting or rejecting papers, such as minimum average rating, number of positive reviews, and committee recommendations

Design an entity-relationship (ERD) / Enhanced Entity Relationship (EERD) diagram for the CONFERENCE_REVIEW database, and mark various attribute types, specialization disjoints and overlapping constraints.