

**COMSATS University Islamabad**  
**Lahore Campus**  
**Department of Computer Science**

**Subject Code: CSC270**  
**Subject: Database Systems I**

**Date:**  
**Max Marks: 10**

**Question No 1:**

**10 Marks**

Write a complete report of your class project. Your report should have the following sections:

- 1) Abstract
- 2) Domain Description
- 3) Requirement Specification
- 4) Assumptions
- 5) Entity Relationship Diagram
  - 5.1) Entities & Attributes
  - 5.2) Relationships & Labels
  - 5.3) Validation
  - 5.4) Description
- 6) **Screen Shots of the developed frontend / GUI**
- 7) **Screen Shots of the developed reports**
- 8) **Normalize logical design of your semester project upto 3NF. Try to elaborate each step (1NF, 2NF and 3NF) one by one, do not directly jump to 3NF.**
- 9) **Elaborate on any Denormalization opportunities in your design.**
- 10) Conclusion
- 11) Recommendations