

# Final Exam

## Section I: Database Design and Application Concepts

Answer each question in English in the space provided.

**1. What is the primary goal and purpose of the Normalization process in database design? (10% weight)**

**2. What quantifiable benefits do businesses or organizations receive from implementing data validation controls on forms that input data into their databases? (5% weight)**

3. What is the definition and purpose of an Application Protocol Interface (API)? Name a real world API, describe how it works, and describe the value it brings to one or more businesses or organizations. (10% weight)