Individual Contribution Report:

CMPE 321 – Database Systems
Project 1: Chess Tournament Database

1. Personal Information:

- **Name:** Ali Ayhan Gunder

- **Student ID:** 2021400219

- **Group Number:** 6

2. Tasks & Contributions:

In this project, I was responsible for the following tasks:

- Designed and created the Entity-Relationship (ER) diagram together with my partner in Draw.io based on project requirements and lecture format.

- I built the SQL schema including all entity tables, relationships, and constraints and my partner helped me to test.

- I added comments and documentation to make the SQL code clear and readable.

- I assisted with final database validation using MySQL.

3. Collaboration & Challenges:

Our team collaborated primarily through shared documents (google docs, etc.) and messaging apps (WhatsApp) and google meet. We divided the workload based on parts and availability. I focused more on database design in MySQL and my partner focuses on schema development.

Challenges included:

- Ensuring all constraints were ER-compliant without overcomplicating the diagram.

- Debugging SQL code to meet MySQL syntax and logic rules.

We resolved these by regularly reviewing progress together, sharing feedback, and reaching consensus on design decisions.

4. Self-Assessment

This project helped me strengthen my understanding of:

- ER modeling like ISA hierarchies, participation, key constraints.

- Translating conceptual models into relational schemas.

- Writing clean, well-documented SQL code.

I was comfortable with SQL but improved my attention to detail regarding constraint logic and database normalization.

Areas for improvement:

- Visual presentation of ER diagrams

- More proactive team coordination earlier in the project timeline