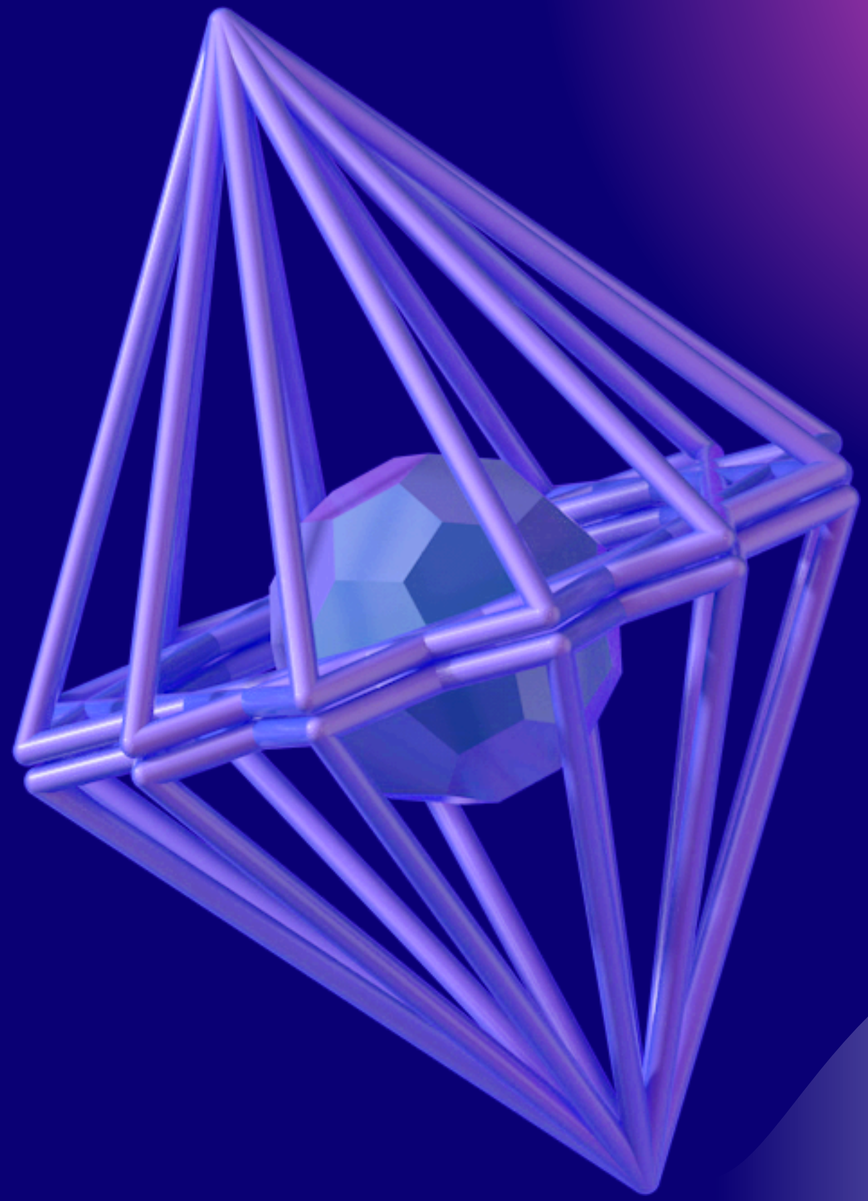
DATABASE
SYSTEM

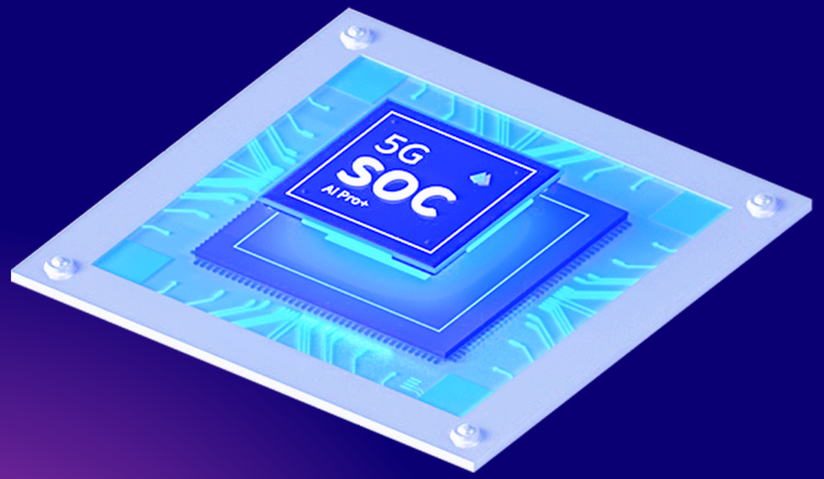
This is a database system for a university donor tracking system.

OVERVIEW

This presentation showcases a semester-long database system developed for university donor management. The system models donor information, pledges, donations, events, donor circles, and organizational relationships. It follows the full database lifecycle from initial requirements to secure implementation.



INTRODUCTION & REQUIRMENT

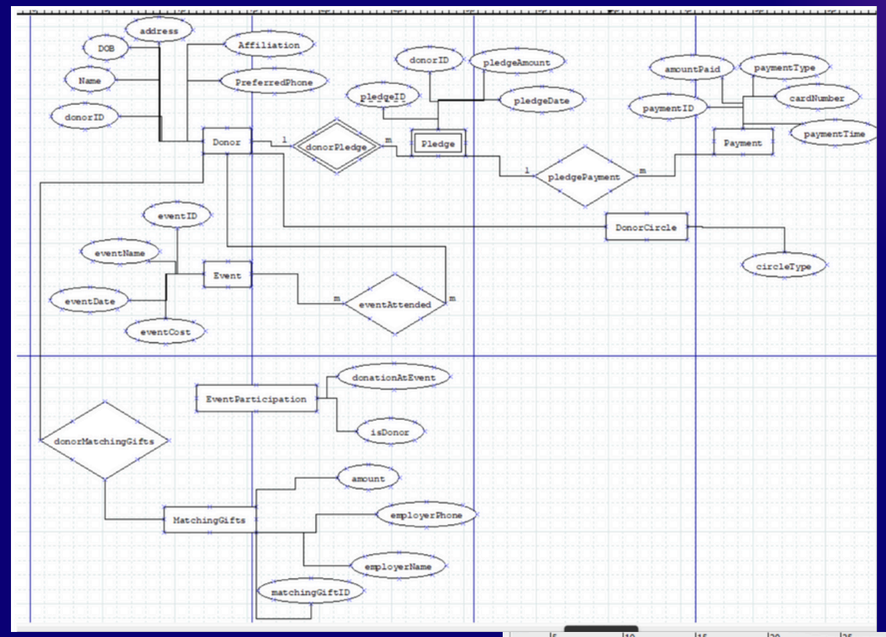


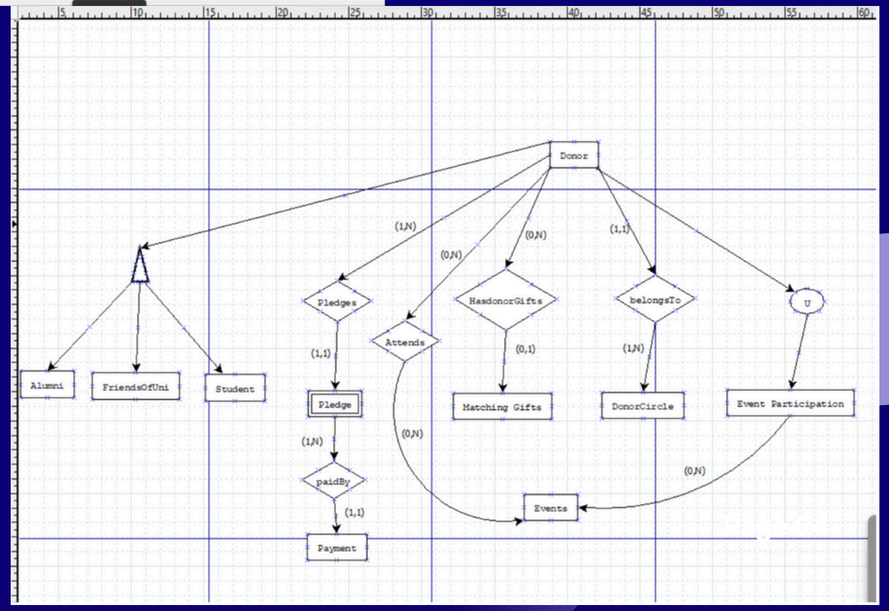
Requirements & Planning

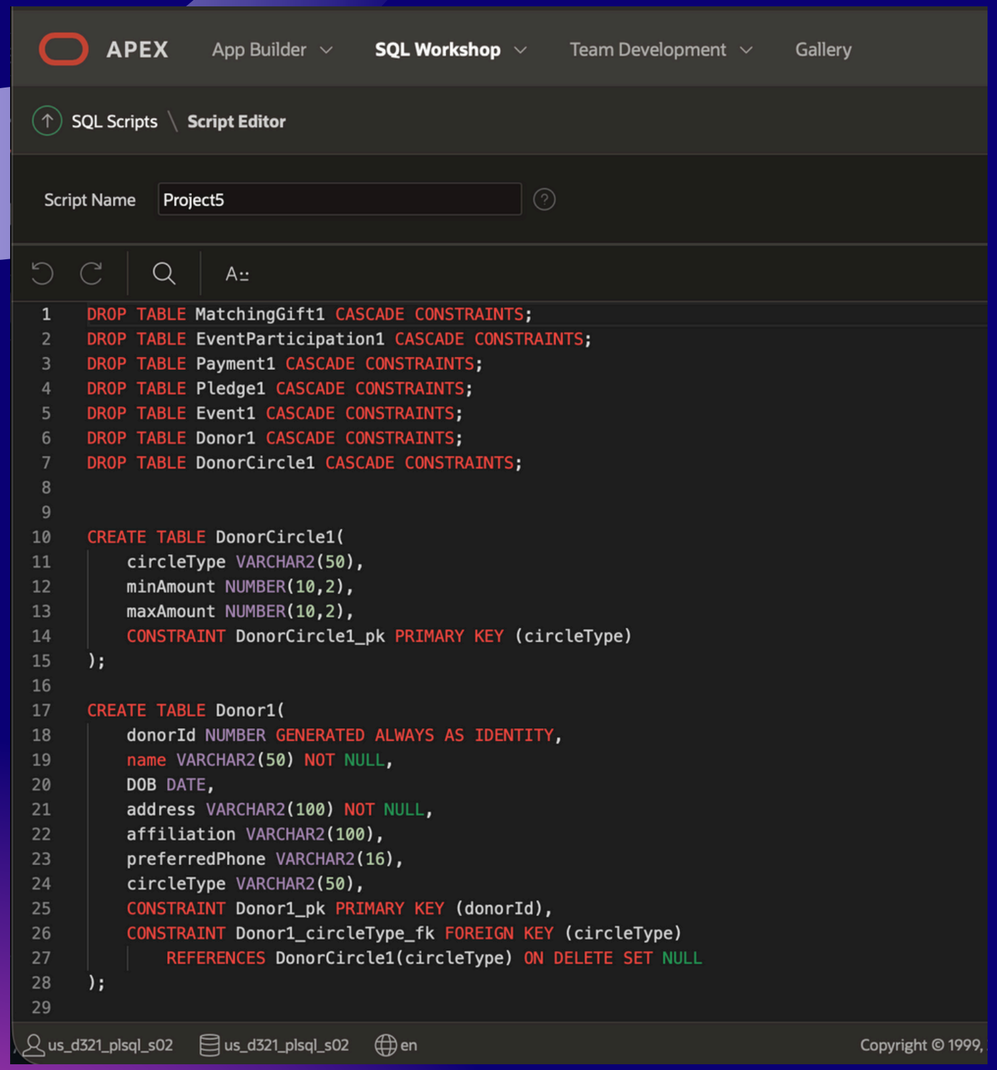
- Studied “Beta University” environment
- Identified user needs for donor tracking, event management, and pledge/payments
- Created initial reports, forms, and transaction lists
- Built a full data dictionary

ER AND EER MODELING

- Conceptual model created using ER diagrams
- Extended model using EER (specialization, categories)
- Final model represented all donor-related processes







SQL IMPLEMENTATION

- Created tables in Oracle SQL
- Inserted sample donor, pledge, payment, and event data
- Tested database operations with SQL queries

SECURITY FEATURES

- Created roles and privileges
- Restricted access to sensitive donor information
- Added user-level access controls in Oracle

THANK YOU