# Final Project

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Submitted to:

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COMP 3005 - Database Management Systems

School of Computer Science
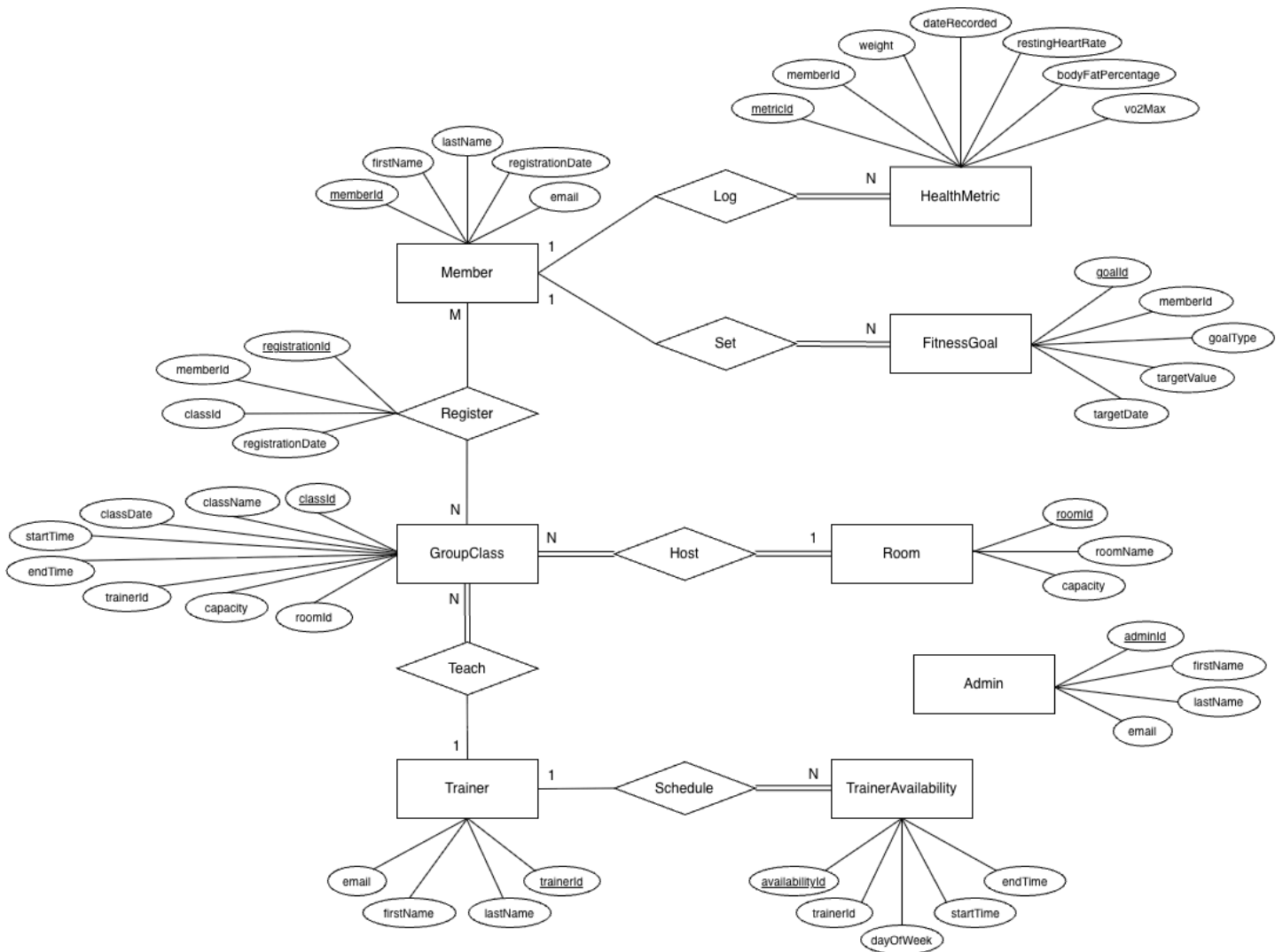
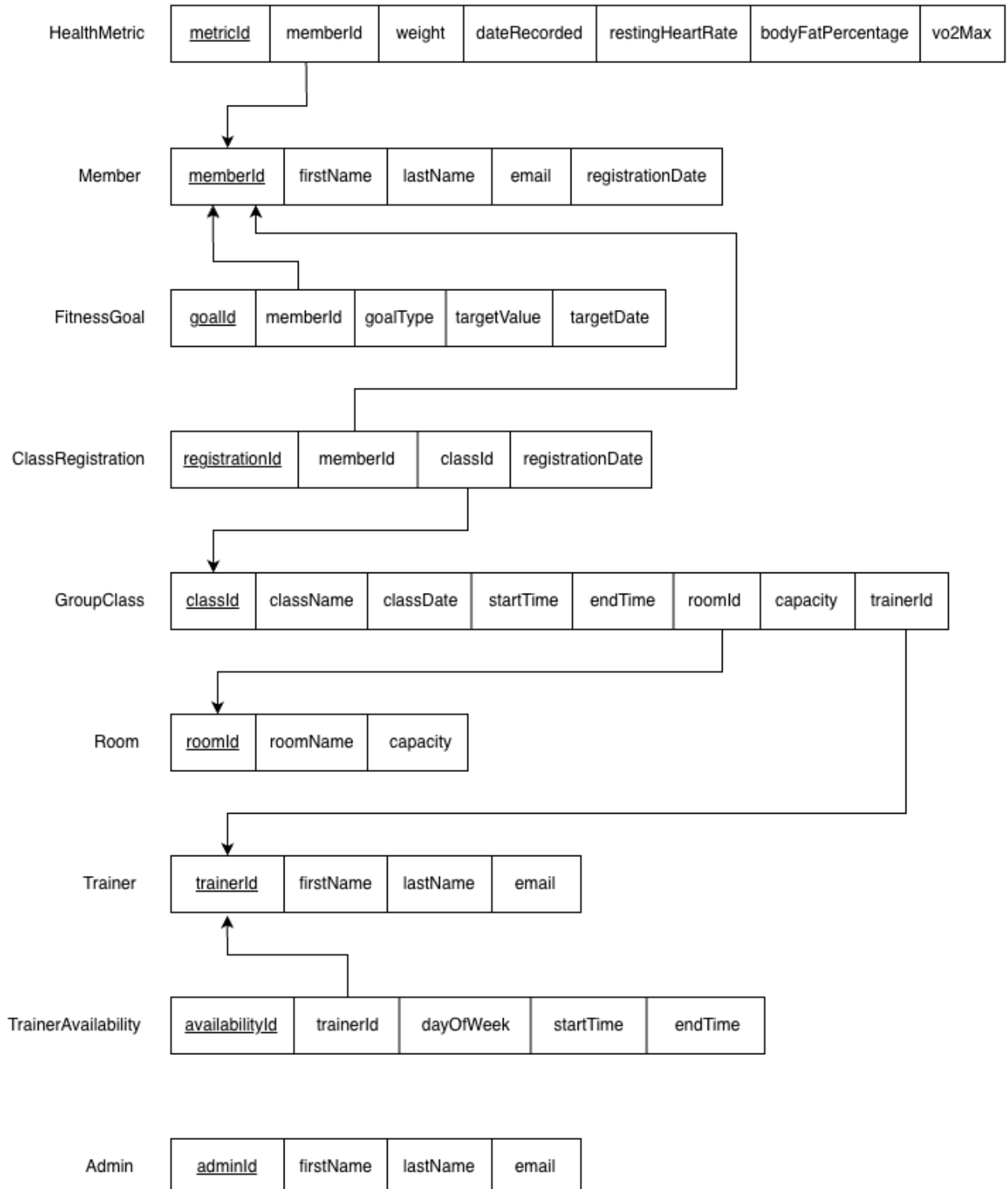Carleton University

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## 1.    ER Model

## 2. Relational Schema Diagram



**HealthMetric** | metricId | memberId | weight | dateRecorded | restingHeartRate | bodyFatPercentage | vo2Max

**Member** | memberId | firstName | lastName | email | registrationDate

**FitnessGoal** | goalId | memberId | goalType | targetValue | targetDate

**ClassRegistration** | registrationId | memberId | classId | registrationDate

**GroupClass** | classId | className | classDate | startTime | endTime | roomId | capacity | trainerId

**Room** | roomId | roomName | capacity

**Trainer** | trainerId | firstName | lastName | email

**TrainerAvailability** | availabilityId | trainerId | dayOfWeek | startTime | endTime

**Admin** | adminId | firstName | lastName | email

## 3.    Demo Video Link

The video demonstrating the whole project is an unlisted YouTube video and can be found at: