

Phase 1 – 200 points

Phase 1 documentation:

- A. Problem statement. (75 points)
 - a. Team formation & preliminary problem proposal (15 points) – recorded in Canvas
 - b. Submitted project problem statement (60 points)
 - i. Environment & user description (20 pts): 15
 - ii. Entities (20 pts): 5
 - iii. Queries (20 pts): 15
- B. Entity-Relationship diagram. (50 points): 50
- C. Relational design (including functional dependencies and normalization). (50 points)
 - a. Relational Database Schema (20 pts) 20
 - b. Functional Dependencies (10 pts) 2.5
 - c. Normalization (20 pts) 5
- D. Sample data. (25 points): 18.75

Total points (185 points possible, not including team formation & preliminary problem proposal): **131**

Feedback on the team's submission:

Incorrect file type submitted for the Problem Statement. This needs to be a Markdown document. Convert it to Markdown for Phase II. You describe the end user in great detail, but do not include anyone else. Will there be a database administrator to setup and maintain the DBMS? I don't see a description of the major entities in the problem statement. The queries include "Share a playlist with a friend." This isn't worded as a database function. Some similar queries, such as #11 and #12. Age should not be stored as an attribute. Does recentlyListened only hold a single song or is it a playlist or is it an album? The sample data should be in the form of a Markdown or .csv file, not a .pdf. Functional dependencies are incorrect. Each relation should have a set of functional dependencies, not one set for the entire database.