Instructions: Working together as a team, use this worksheet to develop your initial Entity-Relationship Diagram as well as your System Context Data-Flow Diagram. You are provided this form in order that your team may organize its thoughts.

1. What business process are you going to automate by building a database system? Briefly describe it in 1-2 sentences.

2. What people or other information systems will provide data inputs to your information system? List a few.

3. What people or information systems will receive information products (outputs) from your information system? List a few.

4. What are the data entities about which your system will need to capture data? List these along with some sample attributes, including a unique identifier for each entity.

5. In the space below, draw an initial context-level Data-Flow Diagram (as seen in the slide 11 of the system development slides). Your answers to questions 1-3 will help identify those external parties (either people or systems) who will provide your system with inputs or to whom your system will provide outputs. You should develop a short name for the system (e.g. Order Input System).

6. On the back of this page, draw an initial entity relationship diagram depicting your data entities and the relationships between these. Make sure that you have identified a business process with at least one many-to-many relationship. Don't worry about resolving the M:N into relational tables yet. Your answer to question 4 will help you in creating this initial diagram.