

**CS-317 Data Management and Information Processing  
Spring 2003**

**Project 1 Submission Instructions**

**Deliverables:**

Your submission must include three files:

- A description document (Microsoft Word or PDF or Text)
- An access file, which shows the schemas capturing all the entity sets and their relationships obtained after a translation of the ER diagram to relations (capturing entity sets and their relationships)
- An access file, which shows your final design (schemas), i.e. a normalized set of schemas (this set should be 1NF + 2NF + (3NF or BCNF, a choice))

**Mechanics:**

Your three files should be named as:

lastname\_firstname\_description.doc (or PDF or txt)

lastname\_firstname\_access1

lastname\_firstname\_access2

Email me the description document lastname\_firstname\_description.doc (or PDF or txt) as an attachment at *ais@cs.northwestern.edu* the subject of the mail should read ***cs317 Project1 Submission***

Then put all the three files (description document, access1 and access2) in a directory, name the directory by your lastname\_firstname. Then zip the directory up to get lastname\_firstname.zip and then email the same as an attachment to Isaac at *i-chung2@northwestern.edu* the subject of the email should read ***cs317 Project1 Submission***

*Example:*

If I were to be making a submission

- I would have the following files:  
sundararaj\_ananth\_description.doc (or PDF or txt)  
sundararaj\_ananth\_access1  
sundararaj\_ananth\_access2
- I would then email sundararaj\_ananth\_description.doc (or PDF or txt) to *ais@cs.northwestern.edu* as an attachment with the subject of email reading ***cs317 Project 1 Submission***

- Then I would put the three files  
sundararaj\_ananth\_description.doc  
sundararaj\_ananth\_access1  
sundararaj\_ananth\_access2

into a directory and name the directory sundararaj\_ananth

- I would then zip it up to get sundararaj\_ananth.zip
- I would email the sundararaj\_ananth.zip as an attachment to *i-chung2@northwestern.edu* the subject of the email reading *cs317 Project1 Submission*

#### **What all to include in the description document:**

*A document (Microsoft Word, PDF, Text) describing:*

- Any assumptions that you might have made
- Relational schemas which capture all the information in the ER diagram
- Design decisions, justifications for the same. As in if you had two alternatives and you choose one, you should explain why you made that choice and not the other
- The derivation of (IF ANY) other functional dependencies (and justification of it - i.e. which inference rule was used).
- Based on the initial translation AND the functional dependencies, a normalized set of schemas (1NF+2NF+ (3NF or BCNF, a choice)!), with justification.

**NOTE: Please try to keep the description document to the point and as short as possible.**