**CSCI 4333.1 Design of Database Systems
Fall 2016**

**Last Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ First Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Suggested Solution for HW #5**

This is a sample design. Other reasonable designs are acceptable.

The relation schema:

|  |  |
| --- | --- |
| 1 | Example1(E\_Id, A, B, C, D, E) |
| Candidate Keys | (1) E\_Id, (2) {A, C} |
| Foreign Keys |  |
| Nullable Attributes | D, E  |
| Notes | (1) Write notes about your assumptions and design here. (2) If there is no entry for a field (e.g. Foreign keys above), you may leave it blank. |
| 2 | Example2(Ex2\_Id, Ex2\_E\_Id, P, Q) |
| Candidate Keys | (1) Ex2\_Id |
| Foreign Keys | (1) Ex2\_E\_Id references Example1(E\_Id), (2) P references R(P) |
| Nullable Attributes | Ex2\_E\_Id, P |
| Notes | (1) Ex2\_Id is added as a surrogate key. It is recommended as other tables may reference it. (2) You may copy and paste to create more slotsyou’re your relations below. |
|  | … |