**CSCI 5333 DBMS
Fall 2021**

Student\_Id: \_\_\_\_\_\_\_\_\_\_\_\_\_
Last name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ First name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solution Template for HW #2**

You may have a different number of tables. Adjust accordingly.

The relation schema:

|  |  |
| --- | --- |
| 1 | Table1(Table1\_Id, col\_1, col\_2, col\_3, col\_4) |
| Candidate Keys | [1] Table1\_Id, [2] col\_1, col\_4 |
| Foreign Keys | [1] col\_1 references Table2(col\_1), [2] col\_4 references Table3(Table3\_id) |
| Nullable Attributes | col\_2 |
| Non-nullable Attributes | Table1\_Id, col\_1, col\_2, col\_3, col\_4 |
| Notes | [1] In this design, a surrogate key Table1\_Id is created.  |
| 2 | And so on… |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes | [1] You may copy, paste, or delete to adjust for the right number of relations. |
| 3 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 4 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 5 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 6 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 7 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 8 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 9 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 10 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 11 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 12 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 13 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |
| 14 |  |
| Candidate Keys |  |
| Foreign Keys |  |
| Nullable Attributes |  |
| Non-nullable Attributes |  |
| Notes |  |