Normalization

CSC 310 Final Project Stage 2

Michael Jarman

3NF Relations

StudentID -> LastName, FirstName, Class, Phone, Dues

EnsembleCode -> Name

InstrumentSN -> Type

MusicSN -> Title, Composer, EnsembleCode

UniformCode -> Type, Size

StudentID, EnsembleCode -> InstrumentSN, Chair, UniformCode

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **3NF TABLES** |  |  |  |  |  |
|  |  |  |  |  |  |
| **Student** |  |  |  |  |  |
| **Student ID** | **Last** | **First** | **Class** | **Phone** | **Dues** |
| 1 | Jarman | Michael | Senior | 3305555555 | $746 |
| 2 | White | Sarah | Junior | 9375486545 | $487 |
| 3 | Jarman | Susan | Freshman | 8595246545 | $385 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **StudentEnsemble** |  |  |  |  |  |
| FK | FK | FK |  | FK |  |
| **Student ID** | **EnsembleCode** | **Inst. SN** | **Chair** | **Uniform Code** |  |
| 1 | 1 | 445566 | 3 | 5478 |  |
| 1 | 2 | 445566 | 2 | 6545 |  |
| 1 | 4 | 445566 | 4 |  |  |
| 2 | 2 | 555666 | 2 |  |  |
| 2 | 3 | 888999 | NULL |  |  |
| 2 | 6 | NULL | NULL |  |  |
| 3 | 2 | 4568 | 1 |  |  |
| 3 | 5 | 4568 | 2 |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **Uniform** |  |  |  |  |  |
| **Uniform Code** | **Uniform Type** | **Uniform Size** |  |  |  |
| 5478 | Marching | L |  |  |  |
| 6545 | Concert | L |  |  |  |
| 4,568 | Concert | M |  |  |  |
| 2,548 | Color Guard | M |  |  |  |
| 5544 | Concert | S |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **Music** |  |  | FK |  |  |
| **MusicSN** | **Title** | **Composer** | **EnsembleCode** |  |  |
| 1234 | October | Eric Whitacre | 2 |  |  |
| 6552 | Sir Duke | Stevie Wonder | 3 |  |  |
| 8888 | Fight Song | Mr Mount Union | 1 |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **Instrument** |  |  |  |  |  |
| **Inst. SN** | **Instrument Type** |  |  |  |  |
| 445566 | Trombone |  |  |  |  |
| 555666 | Clarinet |  |  |  |  |
| 888999 | Double Seconds |  |  |  |  |
| 4568 | Snare |  |  |  |  |
|  |  |  |  |  |  |
| **Ensembles** |  |  |  |  |  |
| **EnsembleCode** | **Ensemble** |  |  |  |  |
| 1 | Marching Band |  |  |  |  |
| 2 | Concert Band |  |  |  |  |
| 3 | Steel Band |  |  |  |  |
| 4 | Low Brass |  |  |  |  |
| 5 | Percussion Ensemble |  |  |  |  |
| 6 | Color Guard |  |  |  |  |