Assignment 4

ITCS 3160-051

Spring 2020

Justin Kongmany

**Student Classes**

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| **Functional Dependencies** | **Partial Dependency:**  STUNUMB, -> STUNAME  **Partial Dependency:**  ADVNUMB -> ADVNAME  **Partial Dependency:**  CRSENUMB -> CRSEDESC, NUMCRED  **Repeating Group:**  STUNUMB, CRSENUMB -> GRADE |
| **1 Normal Form (1NF)** | **Table:**  STUDENT (STUNUMB, STUNAME, NUMCRED, ADVNUMB, ADVNAME, CRSENUMB, CRSEDESC, GRADE  **Primary Key:**  STUNNUMB, ADVNUMB, and CRSENUMB |
| **2 Normal Form (2NF)** | **Table:**  STUDENT (STUNUMB, STUNAMB, ADVNUMB, ADVNAME, ADVNUMB, ADVNAME, CRSENUMB, CRSEDESC, NUMCRED, GRADE)  **Table:**  STUDENTNAME (STUNUMB, STUNAME)  **Table:**  ADVISOR (ADVNUMB, ADVNAME)  **Table:**  COURSE (CRSENUMB, CRSEDESC, NUMCRED) |
| **3 Normal Form (3NF)** | **Table:**  STUDENT (GRADE)  **Table:**  STUDENTNAME (STUNUMB, STUNAME)  **Table:**  ADVISOR (ADVNUMB, ADVNAME)  **Table:**  COURSE (CRSENUMB, CRSEDESC, NUMCRED) |