Computer Science 303:

Database Management Assignment

**Joshua McCausey**

**Prompt 1: Create Database**

Graphical user interface, text, application

Description automatically generated

**Prompt 2: Create Tables**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Prompt 3: Alter Tables**

**Graphical user interface, text, application

Description automatically generated**

**Prompt 4: Create Index**

**Graphical user interface, text, application

Description automatically generated**

Graphical user interface, text, application

Description automatically generated

**Prompt 5: Enter Data**

**Graphical user interface, application

Description automatically generated**

**Graphical user interface, text

Description automatically generated with medium confidence**

**Prompt 6: Count Rows**

**Graphical user interface, text, application

Description automatically generated**

**Prompt 7: Add column**

ALTER TABLE {table name} ADD COLUMN {column} {data type} AFTER {column}

**Graphical user interface, text, application

Description automatically generated**

**Prompt 8: Issue with New Column**

**The problems that could arise from the way we previously created this field is due to the fact that we neglected to make the field NOT NULL. If we left this column and allow it to accept null values it could jeopardize the relations of our tables and accessibility of data in the future. To fix this issue we simply need to run the sql syntax below.**

**ALTER TABLE photograph MODIFY userid INT NOT NULL;**

**Prompt 9: Location and Photograph Table Updates**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Prompt 10: Users**

**Graphical user interface, text, application

Description automatically generated**

**Prompt 11: Who’s Taking Pictures?**

**Graphical user interface, text, application

Description automatically generated**

**Prompt 12: Unique Names**

**Graphical user interface, text, application

Description automatically generated**