Capstone 1 Rubric

Changes last recorded April 9.

Functionality Weight [Change Log] Database UI OLTP appened - no messaging or communication with the user) thatabase includes many of the data structures the copied for, but some missing or incomplete - ininimum one incomplete star or snowflake schen ininimum two tables total. Database Apr 9: include snowflake as valid schema Database is populated by only one distinct data ource A database quality checker is provided that shov ome column names and data types, but not Jupyter Notebook Excel Dashboard emonstrates they can generate visual aide Section Total (out of 2.5): Quality Weighting Quality Data Visualization Principles irity, relationships, convention) Inimal comments included but could be imp Structure and Logic Database Design Excel - Data Wrangling oorly written functions that break often and have oor error handling Functions, where used, are somewhat well structured, but has some room for improvement One or more charts are used, but no statistical finding is present Connects Excel to NrySQL server using Power Queu but does not employ the use of any Power Queuy statements beyond the auto-generated "Source" and "Change Data Type" statements. Excel - functions Apr 9: Clarified MySQL Server (instead of SQL Server), and added language about Power 3% Query statements. Excel - data tables and power Excel - Pivot tables, pivot charts here is at least 1 pivot table + pivot chart ombination present, with only default format xxel dashboard has one slicer minimum with onnection to one pivot table + pivot chart ombination use of pivot table or pivot chart Apr 9: Added specific requirement to "be ready to start from command line" so that the student has the opportunity to demonstrate a basic understanding of CLI. Notebook from the command line / Terminal, b that the stock CLI or one embedded in their IDE Jupyter Notebook Has clean commented code that is func the processes being run las functional code that has some logical falla s uncommented/unexplained Specifically uses Flask library for UI, and SQLAIchemy for database CRUD. ut App may still crash occasionally Section Total (out of 1.25): 25% Presentation Usability, UI/UX Apr 9: Took out explicit requirement for a slide to avoid contradicting the Capstone 1 Requirements document. Use of a slide in the appendix is suggested but not required, as with all other appendix documents. The counterfactual I shared in class was that when I presented my mock lecture during my job interview, I suspected that when I mention database engines that they would follow up with questions. I came prepared by having MySQL already open, writing the "show engines" statement from memory, and talking about the engines from there. Doing so demonstrated I could think on my feet and knew how to use the tools I was talking about. Bit of a gamble. Presentation was engaging and interactive - It was well rehearsed, clear, and flowed naturally the the features Presentation was completed within the allotted time (15.7 minutes) and covered all points expected. But, the presentation had a few burnps, (For example, it didn't flow naturally or there were stops and starts or the presenter lost their place; Student was able on answer technical questions correctly or was at least on the right track: dent could not clearly present the data or analytic

Section Total (out of 1.25):