

INLS 523 Database I

Assignment 1: Database for an App Store

Due on or before Friday, September 13th.

*Please submit your answer file, containing all the deliverables mentioned under Task 1 and Task 2, in electronic format** to the TA, John: pu@email.unc.edu.*

Assume the app store or the online software company sells applications covering a wide range of categories such as games, education, office/data management, health monitoring, etc. For the purpose of this assignment we will assume that the user population consists of mainly adults with college education.

Task 1

Deliverable 1: Provide a list of critical database functions for an e-commerce software / app company that would be essential to its core user population. Provide a general description of the functions as they relate to typical demands of the user group and requirements of the company (2-3 paragraphs).

Deliverable 2: Provide a list containing the top 10 common keywords or categories the users may use to search for apps (queries).

Deliverable 3: Provide 3 screen displays OR 3 types of forms for browsing and refinement of search.

Task 2

Deliverable 4: Develop a data model for the back-end item-tracking database and related sale transaction details. Some examples of clusters of information you need to consider are the following:

- 1) Application category (e.g., educational, health, news, photos),
- 2) Vendor information,
- 3) Software name, version, and other important metadata,
- 4) Additional software related items (e.g., books, tutorial materials),
- 5) Number of software sold to date, and
- 6) Customer details (the transactional data per sale)

**You can submit your answer as a PDF or MS-Word file.