

**User Guide:**

The system is designed for users to access the information from the database.

User can get access to the database by performing phase one. User then can sort the data in the database by performing phase two. This process converted the xml file into the readable file for personal PC. User can allocate the needed information by performing phase three. User is asked to enter a simple query to access the specific data according to the queries entered. For example, if the user enters “price>12”, entries under this specific condition will be shown on the screen. The program does not allow for spaces within a query

**Algorithm:**

The program continually takes in multi-query inputs. For each multi-query input, the program obtains the queries and calls queryType to determine the type of the query and call the corresponding function which returns an array of aids that satisfy the query. The program then determines what aids satisfy all queries and print either the brief information (aid and title) or the full information (entire ad in xml)

**Testing Strategy:**

Yifei and Iyunoluwa’s testing strategy is testing on the 10.xml/1k.xml and compare to the provided.

Yueyang’s tested the system by entering possible queries to see if the system can return the correct specific information.

**Group Work Breakdown Strategy:**

Yifei Bai worked on phase one, two and three. Time spent: 20 hours

Iyunoluwa Lapite worked on phase one and three. Time spent: 20 hours

Yueyang Xu worked on part of the segmentation of the input of queries and the design documentation. Time spent: 10 hours