General Overview of the system, small user guide:

Detailed design of software, focus on components required to deliver the major functions:

Testing strategy:

* Query language testing
  + Testing all test cases given in assignment specs and made sure the correct keywords/terms came up
  + Testing many query examples and added random white spaces in all locations
  + Testing multiple terms with/without wildcard placed in random parts of the query
* Data Parsing:
  + Tested on multiple text file sizes, and manually checked the processed data on the smaller files to match how it was supposed to look
* Queries
  + Compared query results to the text files we generate before the indexes, making sure all items that should return the right ID return.

Group work break down:

Thomas

* Price, Location, Date, Term and Category queries.
* Set intersection for combining queries like an AND.
* Making the files that were sorted in a format that bsddb3 would like.

Chady

* Complete Phase one, data parsing and organizing into text files
* Phase two, organizing data into appropriate idx files and allowing user to dump the data for debug
* Developed the query processing code for phase three, takes in a query and splits it into keywords with their operators and values, as well as a list of terms, stating if they are wildcard or not

Farish