Exercise 10 – INLS 623

Write out the steps you would do, in terms of database operations (and possibly additional programming—just at a high level), to accomplish the following. You have a database of your family's home videos (MPEG) and still pictures (JPEG). The video segments and pictures are stored as BLOBS. The video segments in addition to MPEG have a time stamp for when the video was taken. The still picture have a time stamp for the origin of the pictures, the application that made it (or processed it), the equipment used to produce it, and ICC color scale, and a text comment field (generally not filled in).

1) Find all pictures of your grandmother(s) in video or still pictures.
2) Retrieve the first 5 minutes of all your daughter's birthday videos.
3) What changes or additions would you make to the database (schema, operations supported, data types supported, indexes created, to improve your ability to answer questions (1) and (2) accurately and efficiently?