# Element List

1. File record functionality
   1. Create file records
   2. Update file records
   3. Show version of files
   4. Remove versions
   5. Add new versions of files
   6. Show size information
   7. Check if a version has changed
2. Version record functionality
   1. Retrieve version record from database
   2. Update Version information from a database
   3. Create new version records
   4. Show file size information
   5. Remove a version from the database
3. Gui Functionality
   1. Provide graphical interface for workings of the program
4. File Archiver
   1. Check for already existing files
   2. Return number of versions of a file
   3. Insert a new file into database
   4. Add versions to files
   5. Retrieve files and information from database (actual file, file name
   6. Compressing and uncompressing files from the database

# Unit Testing Procedures

Throughout the project various Unit testing functions were utilize to verify correct functionality of areas of the project.

A test for each bit of functionality was designed in order to ensure correct functionality before the final commit to the repo and the item marked as completed on the internal TODO list maintained

The additional testing functionality created by members was:

1. Testing of functionality when appending a path
2. Testing of functionality when querying a file name
3. Testing for proper hashing of files
4. Testing for accuracy of files modify dates
5. Testing for accuracy when querying the path of a file
6. Testing of successful file compression/decompression