CSE 327 UML DIAGRAM(Unfinished)

FileHandler

+def upload_chunk(self, chunk_str:str, mimetype:str, file_name:str, chunk_index:str):
+def upload_file(self, file_path:str,file_name:str,mimetype:str):
+def split_and_upload_file(file_path:str, file_name:str, mimetype:str, file_size:str, free_space:str, metadata:str):
+def update_metadata(metadata:str):
+def download_file(self, file_id:str, save_path:str):
+def search_file():
+def merge_chunks(self,file_paths:str, merged_file_path:str):
+def download_and_merge_chunks(self, file_name:str, save_path:str)
+download_from_all_buckets(self, file_name:str, save_path:str)

<<Abstract>>Service

+authenticateAccount(bucket_no): tokens
+listFiles(query):void
+checkAllstorage():void
+checkStorage():int,int

DriveManager

+def add_drive(self, drive: service, bucket_number):void
+def check_all_storages(self):int, int
+def get_all_authenticated_buckets(self): void
+def list_files_from_all_buckets(self)
+def parse_part_info(file_name)
+def get_sorted_buckets(self)
+def update_sorted_buckets(self)

Uses

GDrive

+constructor()
+authenticateAccount(bucket_no): tokens
+listFiles(query):void
+checkStorage():int,int

Dbox

+constructor()
+authenticateAccount(bucket_no): tokens
+listFiles(query):void
+checkStorage():int,int

GDriveFile

+def upload_chunk(self, chunk_str:str, mimetype:str, file_name:str, chunk_index:str):
+def upload_file(self, file_path:str,file_name:str,mimetype:str):
+def split_and_upload_file(file_path:str, file_name:str, mimetype:str, file_size:str, free_space:str, metadata:str):
+def update_metadata(metadata:str):
+def download_file(self, file_id:str, save_path:str):
+def search_file():
+def merge_chunks(self,file_paths:str, merged_file_path:str):
+def download_and_merge_chunks(self, file_name:str, save_path:str)
+download_from_all_buckets(self, file_name:str, save_path:str)

DBoxFile

+def upload_chunk(self, chunk_str:str, mimetype:str, file_name:str, chunk_index:str):
+def upload_file(self, file_path:str,file_name:str,mimetype:str):
+def split_and_upload_file(file_path:str, file_name:str, mimetype:str, file_size:str, free_space:str, metadata:str):
+def update_metadata(metadata:str):
+def download_file(self, file_id:str, save_path:str):
+def search_file():
+def merge_chunks(self,file_paths:str, merged_file_path:str):
+def download_and_merge_chunks(self, file_name:str, save_path:str)
+download_from_all_buckets(self, file_name:str, save_path:str)