DIPLOMA IN INFORMATION TECHNOLOGY(DIGITAL TECHNOLOGY)

DFT50114 INTEGRATED PROJECT

TECHNICAL REPORT

ICLOUD FILE STORAGE VIA ANDROID

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ABSTRACK

This paper presents the methodology for ICloud file storage via android. Data storage is more organized way of storing data where we can set up digital databases, separate folders, and organize data in a way we want. First of all, what we got from this survey is We set up an i-Cloud server on android device as application. We develop has to store data for one purpose or another. We ensures that local changes are safely coordinated with iCloud-originated changes. cloud computing refers to managing your data via a third party network, hosted over the Internet. Why I cloud is important When you set up the iCloud we can use that storage space to back up your device and to keep all of your photos, videos, and text messages securely stored and updated everywhere, documents. Next, how we can make the I cloud file storage is, By using app maker software to create an app. After that create a new standard document. Create a new core data document. Prompt the user to open a document. Manipulate files on disk using the ns file manager class, and always within the context of a file coordinator object. Perform a high-level Inventory of existing data storage services and requirements and classifications of data on campus, in conjunction with the inventory efforts of the Data Centers. What we got from this? Perform a high-level Inventory of existing data storage services and requirements and classifications of data on campus, in conjunction with the inventory efforts of the Data Centers. Finally, what that means is, sharing folder in ICloud Drive perform a high-level Inventory of existing data storage.

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1.1 INTRODUCTION

Almost every app we use or develop has to store data for one purpose or another. It's not all the same data, either some apps need access to settings, images, and much more. The big question is how to manage this data so that your device can grab only what it needs ?

So we set up an i-Cloud server on android device as application. This app can access the folder and the permissions. You can share the folder with only people you invite, or anyone with the link. You can also give permission to make changes or view files only.

Then you can work together on android and laptop. The app admin to be able to enter the file or data in the app and issue a reminder for admin and user to enter files. The storage method you choose should depend on your data types, the length of time you need the data, and how private you want the data to be.

1.2 PROBLEM STATEMENT

Securing data stored on mobile devices becomes a critical issue. If an app fails to save into folder in good arrangement. Then you should certainly check that it is leak data file.

If your data is stored somewhere, it's possible for a third party to obtain it. You might not be able to predict your short-term or long-term storage needs. This can slow down the process and make compromises more difficult.

1.3 OBJECTIVE OF PROJECT

- To save sensitive information that other apps shouldn't access.
- To store files that app intends to share with other apps.
- To access any file outside the app-specific directories on external storage.
- To change the complete structure of storage and communication.

1.4 SCOPE OF PROJECT

The main purpose of the project is to folder sharing in iCloud Drive, you can share entire folders of files with friends, family, or colleagues.Then you can work together on android and laptop. The app admin to be able to enter the file or data in the app and issue a reminder for admin and user to enter files.

USER SCOPE

Perform a high-level Inventory of existing data storage services and requirements and classifications of data on campus, in conjunction with the inventory efforts of the Data Centers.

SYSTEM SCOPE

Backup and archive services, including desktop backups. Assess current central and distributed file storage services. Create a priority and schedule for migrating files.

1.5 LITERATURE REVIEWS

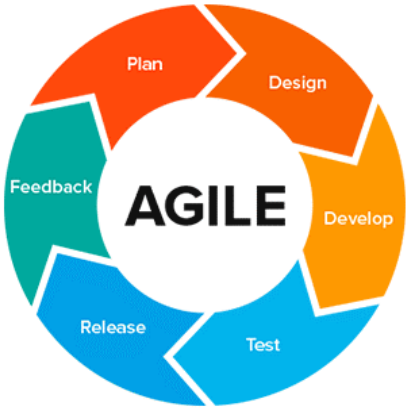
ICloud computing offers the potential for nearly unlimited scalability, as long as the application is designed to scale from the outset. The best way to ensure this is to follow some basic applicationdesign guidelines.

Avoid complex design and performance enhancements or optimizations in favor ofsimplicity. It’s a good idea to start with the simplest application and rely on the scalability of the cloud to provide enough servers to ensure good application performance.

Use separate systems for different pieces of application functionality and avoid synchronous connections between them.

Design the application to use network-based interfaces and not inter process communication or file-based communication paradigms. This allows you to effectively scale in the cloud because each piece of the application can be separated into distinct systems.

1.6 METHODOLOGY OF PROJECT



a. PLAN

The systematic, theoretical analysis of the procedures used in a field of research is known as methodology. It includes a theoretical examination of a body of methods and principles related with a field of study. The person in charge of the project decided to launch a project to remedy the problem during this planning phase. So, we decided to set up an ICloud server on android device as application to store files or data that app intends to share with other apps.

b. DESIGN

In this design phase, there is a sketch of an idea realized for shape the design of our project so that it is more neat and orderly when completed completely. The main purpose of this design phase is to ensure the outcome of the project which is done completely neatly and orderly before the resulting tools are tested get out. The design sketched is also a very simple and neat design the result of a combined arrangement of all materials and tools.

c. DEVELOP

This app can access the folder and the permissions. You can share the folder with only people you invite, or anyone with the link. You can also give permission to make changes or view files only.

d. TEST

This testing phase, we will test the results of our project before it can applicable to the company. This test will be performed several times for get perfect and neat results. This test is also to see if any problems arise while our equipment is in this phase. This is our final phase to test whether the project tools we are doing really affordable the company in helping solve their problems.

e. RELEASE

In this phase, we need to ensure the needs phase and the phase the design is fully completed before this phase can take place. This phase it is very important for us to complete our project perfectly. It is estimated that the completion of this project will take four weeks to five weeks to make sure.

f. FEEDBACK

Can work together on android and laptop. The app admin to be able to enter the file or data in the app and issue a reminder for admin and user to enter files. The storage method you choose should depend on your data types, the length of time you need the data, and how private you want the data to be.

1.7 PROJECT GANTT CHART

PLANNING / WEEKS	W1 W2	W3 W4	W5 W6	W7 W8	W9 W10	W11 W12	W13 W14	W15
	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
1.0 PROJECT PROPOSAL. Prepare project plan and project design								
PROPOSAL PRESENTATION								
2.0 PROJECT DEVELOPMENT. 2.1 Plan requirement and design specifications. 2.2 Manage the hardware or software configuration. 2.3 Develop problem specification and design.								
DEMO 1 PRESENTATION								
2.0 PROJECT DEVELOPMENT. (Continue) 2.1 Plan requirement and design specifications. 2.2 Manage the hardware or software configuration. 2.3 Develop problem specification and design.								
DEMO 2 PRESENTATION								
2.0 PROJECT DEVELOPMENT. (Continue) 2.1 Plan requirement and design specifications. 2.2 Manage the hardware or software configuration. 2.3 Develop problem specification and design.								
3.0 DELIVERABLES. 3.1 Present deliverables. 3.2 Prepare project documentation. 3.3 Present final project.								
CAPSTONE PROJECT PRESENTATION								
• Capstone project presentation • Project refining • Re-Present Capstone Project • Full Documents and Project Submission								

1.8 REQUIREMENT SPECIFICATION

Apps must request entitlements to access iCloud container directories.Apps must use iCloud storage APIs to configure and access iCloud container directories and manage files.Apps must use file coordination to read and write the contents of files.

FUNCTIONAL REQUIREMENT

When you write files and directories to iCloud document storage, the system transfers those items automatically to iCloud and to the user's other devices. Using iCloud document storage is similar to using the local file system.

NON FUNCTIONAL REQUIREMENT

Use a document object to create and manage the data structures in your document format. The document classes automatically support saving new documents to an iCloud container or to local storage.

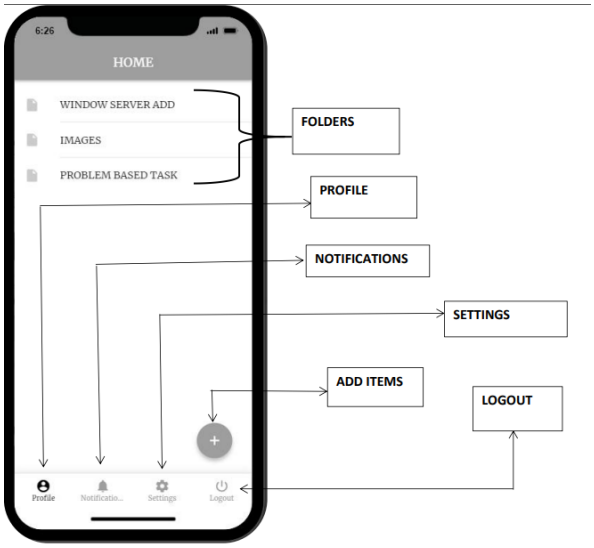
1.9 SYSTEM CONFIGURATION

- Install & download
- Open the application and sign in by entering your Email , Password and Full name. This has to be done just once
- Once yo have completed the steps above,you will be directed to the main page.

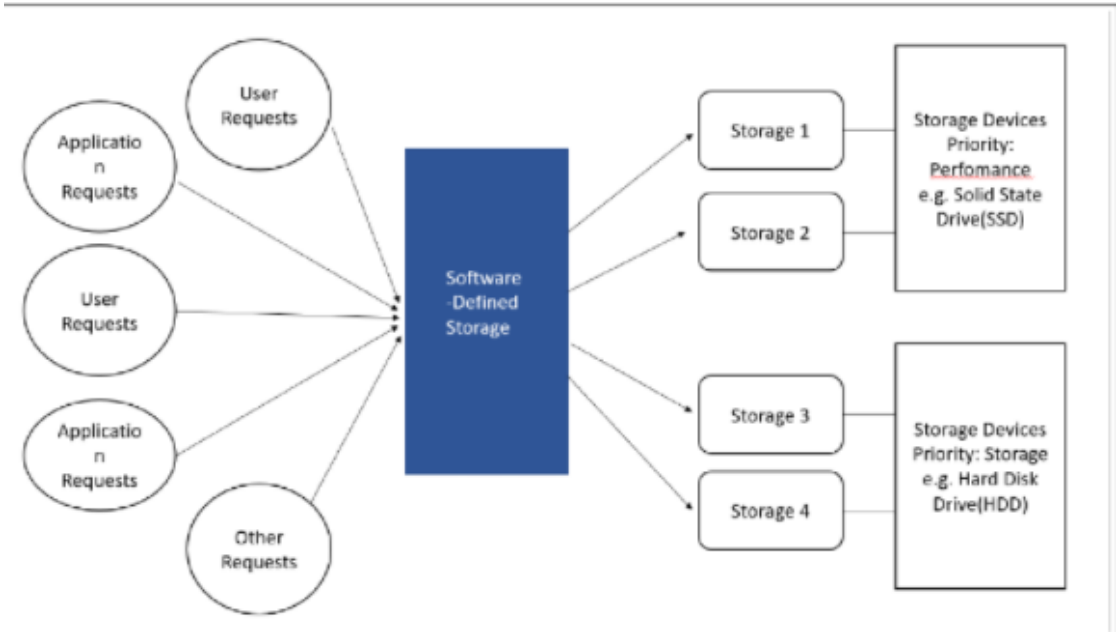
1.10 SECURITY REQUIREMENT

Sign in by entering your Email , Password and Full name.

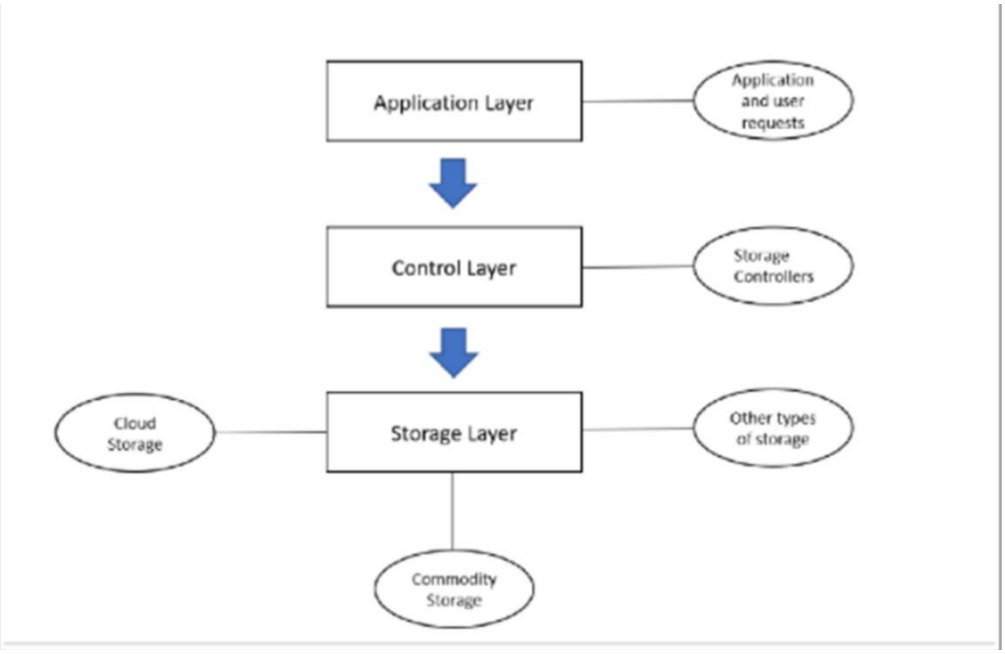
1.11 FINAL DESIGN



LOGICAL DESIGN



PHYSICAL DESIGN



1.12 TEST DESCRIPTION AND RESULTS

Perform a high-level Inventory of existing data storage services and requirements and classifications of data on campus, in conjunction with the inventory efforts of the Data Centers.

1.13 UNIT TESTING PLAN

NO.	NAME	PROCEDURE	PRE-CONDITION	RESULT	TESTER	RESULT
1.	Preevitha Nithithiyananthan	User is required to fill the username and password field before access the system.	User need to register or sign up before login	Case Prompt notification successful login	PREVTA	LOGIN

1.14 DISCUSSIONS

Advantages of the Project

One of the project's advantages is that save sensitive information that other apps shouldn't access so we no need to worry about our information that we no need to worry about our personal files will not misuse. Moreover, access any file outside the app-specific directories on external storage. By the by, other advantage of this project is can store files that app intends to share with other apps. Therefore, this app easy to store separate files and images in different folders that you want to categorize.

Limitations of the Project

- Can only be used in Android environment
- Have to use Internet

1.15 CONCLUSION

In the very near future, transfer project data to long-term storage. All research data underlying the results of the research must be stored in a safe and sustainable manner.The data also need to be well documented and structured in a way that makes it possible to access and understand the data long term - regardless of potential restrictions or limitations to access.

1.16 REFERENCE

MULLER, O., FAY, M. & VOM BROCKE, J. (2018), ‘The effect of big data and analytics on firm performance: An econometric analysis considering industry characteristics.’, Journal of ManagemenT formation Systems 35, 488 – 509.