

# DISK BOSS

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## ABSTRACT:

In computer related activities, the process of backing up usually refers to copying and storing the computer data and several other important information, so that it may be used to restore the original ones after a data loss event occurs. It is not about if you will lose data sometime, it is about when the data loss will happen. And suddenly when it does happen you don't want to be caught in the wrong place without all of your data backed up. Everything is about taking backups and preventing data losses, thus resulting in maintaining a good system. Disk boss is all about taking Backup of user data and Deleting Duplicate Files.

**Backup:** This is the first module of Disk boss. It helps taking back up of your files in many different ways. It provides users to take back up according to their need and requirement and also to let them decide the source from where the data has to be selected and the destination of where the data has to be backed up. Disk boss will use back up policies such as; complete back up, incremental backup and our main module that is the customized backup. Customized backup will give users a wide range of options to back up their necessary data according to their current requirement.

**Duplicate File Finder (DFF):** This is the second module of Disk Boss. It will find duplicate files in the system and will take input from the users for further operations that are to be performed on those duplicate files. The main aim of creating duplicate file finder along with our backup system is that, DFF will scan the whole recent incremental backup and if there exist any duplicate files then it will find them and give users multiple options about what has to be done with those files.

Overall, 'Disk Boss' will be a user-friendly, window's desktop application in which users will not face any difficulties to back up their data and simultaneously they can remove all the duplicate files present in their systems.

**INTRODUCTION:**

Disk boss is a software application which runs on windows operating system. It allows user to take backup of user data. simple and user-friendly user-interface which makes it easier to use. Motivation for disk boss comes into existence when we need to backup files of a particular month and only the files which are in between 500MB to 1GB in size and all these files are in .mp4 format. When this kind of situation arises, backup software's seem helpless. So, we decided to develop a software which can be helpful in such complex situations. This is how disk boss came into life. Backups are useful primarily for recovering a state following a disaster and recovering small numbers of files after they have been accidentally lost. Since a backup system contains at least one copy of all data worth saving, the data storage requirements can be high. The most difficult part of backing up data is organizing the storage space and managing the process. There are many different types of data storage devices that are used for making backups. Our first module is complete backup system in which backup of a complete drive or backup of complete system is taken and stored somewhere in a hard-disk or a hard-drive. An incremental backup system is another backup model. The way it works is that you start off with a full system backup. Then, every time you take another backup you only include the changes since the previous full back up or previous incremental backup. Our most important module is of customize backup in which there are sub-modules such backup of a particular file format, of particular file-size or of a particular time period. User can get the desirable backup from this module. Deciding what to back-up at any given time is a harder process than it seems. Backing up too much redundant data can fill up your storage quickly and not backing up enough data increases the risk of data loss when recovering. Making copies of files is the simplest and most common way of backing up your system. Last module of disk-boss is of duplicate file finder which will run after taking any type backup and will find duplicate files from system if exist and ask user for what to do with these files.

**PROPOSED SYSTEM:**

In existing system there are pre-defined methods of taking backup, but we are providing customization which can be made by the user.

User can select date, file formats, from date, to date, file size, copy only top 'n' levels of a directory, max file validity – exclude files older than specific date or newer than a

specific date, files which are not frequently used can be eliminated. You can use all this

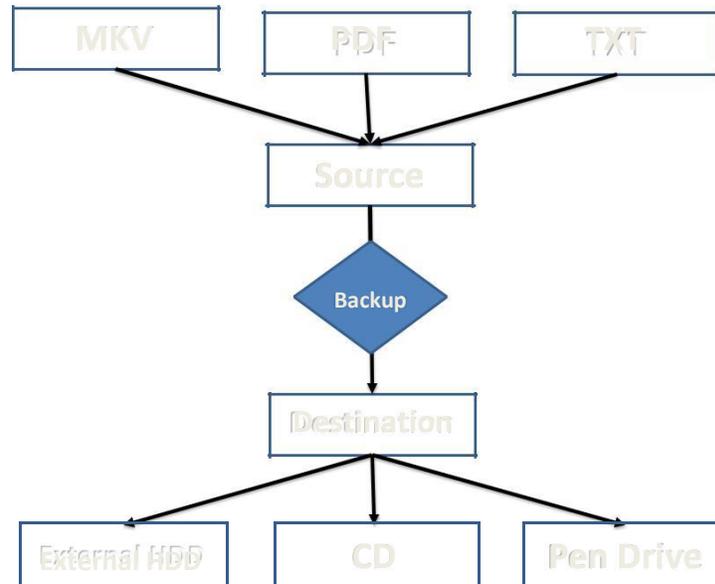
options while taking backup. It can be all at once or any random way which user want those.

User can take backup in number of different ways. After taking backup DFF will delete duplicate files if any exist.

**MODULES:**

## ➤ Backup Module:

1. Complete Backup: In this module complete backup of a system or a drive is taken.

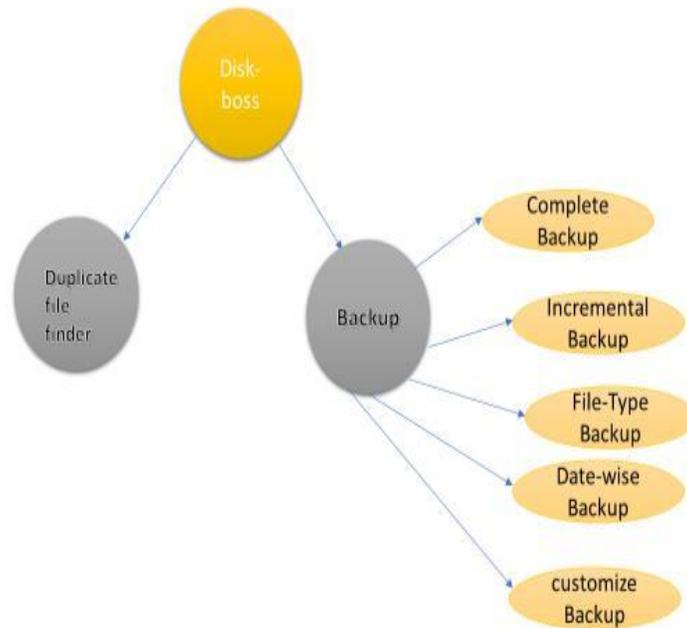


2. Incremental Backup: In this module backup of new files and modified files will be taken.

3. Date wise Backup: In this module backup of particular time period will be taken.

4. Backup According to File Format: In this module Backup will be taken according to file format.

5. Customize backup: In this backup, Backup will be provided according to user choices.



➤ Duplicate File Finder Module:

After Taking Backup DFF will find all duplicate files in the system if exist and ask user for the further operation.

**SYSTEM REQUIREMENTS:**

- Hardware Requirement: -

1. Computer System.

- External Storage Drive or USB.
- Software Requirement: -

1. JAVA supporting files.

2. Windows operating system.

- Front end: -

User Interface developed in JAVAFX.

- Back end: -

BATCH SCRIPT and JAVA is used for taking incremental backup and finding duplicate files.

**APPLICATIONS:**

- ✓ Application to this software are limitless, only limit is your imagination.
- ✓ Takes simple backup
- ✓ Takes backup according to many different file formats, different file sizes and according to different time period given.

**FUTURE SCOPE:**

Customize way and can take backup and remove duplicate files without any concern in a very easy way.

**CONCLUSION:**

Disk boss is a system which is compatible with windows operating system and will take incremental backup with many different options which are not provided in other backup systems and in combination with taking backup disk boss is also providing facility of removing duplicate files simultaneously therefore we can conclude that Disk boss is a window user friendly system and will always Backup user data in a more trustworthy way and more efficiently.

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