



**FLY THROUGH YOUR NEXT EXAM!**

# scFLASH

Flash Cards for when your job  
depends on passing the test.

Version 1.00

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Flash Cards for when your job  
depends on passing the test.

*By Shawn & Vera Cuff*

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scFlash is an evolving Flash Card application to help with studying whenever you have free time. scFlash uses Apple iCloud to synchronize your progress between your Apple Mac, iPhone, iPad and/or Apple Watch.

Your data and statistical progress is yours. scFlash is written completely in Apple Swift using Xcode and does not use any 3rd party toolkits, advertising or tracking frameworks. scFlash will import and export your data as comma separated values and if you need an additional format, please contact us and we will do our best to accommodate your request.

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*Airline training is often compared to drinking  
from a fire hose....*

# Prologue

Many of us have jobs where we have to periodically test and re-qualify to maintain our employment. Shawn is a pilot who has to pass various checking events each year. He wanted an easy to use, easy to edit, work offline, reliable application which would synchronize progress and provide a means to prioritize the “must know or you are fired” over the “better know or the evaluator is going to make your life miserable” from the nice to know trivia.

Vera thought having a flash card program to help her study Japanese would be cool.

In our jobs, we have “free time” in blocks of a few minutes here and there. Not really enough time to take out a notebook and start a formal study session, but enough to use a wrist or handheld device to answer a few questions while taking a break, waiting for transportation, winding down at the hotel, during meals, etc...

This short manual has two purposes. First, to provide an “how to” introduction and second, to provide a document stating the how the application will (or should, lol!) work.

# Privacy and Data

## Privacy

scFlash does not track any of your usage or data at the application level.

Copies of your data may be stored for device recovery purposes by Mac OS (local backup) and/or iCloud (iCloud backup) depending on your settings.

## Data

Your data is yours. Data creation, reading, updating and deletion is performed only at your command. However, if selected, device data synchronization using iCloud will occur in the background. In addition, the operating system may occasionally perform system maintenance tasks compacting databases, deleting temporary files, etc...

Default data synchronization is set for WiFi connections only, however you may permit the application to synchronize using cellular data too.

Your data may be exported, edited, shared, imported, etc... however you like. If you need a specific import and/or export format, or other changes please email us and we will do our best to accommodate your request! :-)

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*Evaluator: Let's start with Memory Items and Limitations. These must be 100%...*

# Quick Start

scFlash is available on the Apple App Store. Once downloaded to your device, start the application by tapping on this icon:



If you want to share card data between your iCloud devices using your iCloud account, please allow the application to use iCloud. The application will connect to your existing scFlash iCloud database or create an empty iCloud database for your iCloud account.

If your iCloud storage is full you can manage your iCloud storage on your IOS device by opening your device's Settings, your Apple ID section should be on top, then select iCloud and Manage Storage. Additional storage may be purchased from Apple.

There is a sample "how to" card dataset that can be loaded by selecting Load Introduction Cards in the Actions tab in the application. You can also add cards manually or export a template to use a spreadsheet to be imported later. There are also card sets located at <https://scFlash.enterptech.com>.

# Card Components

## Major Tag

Each card has one major tag. The major tag is used to group all the cards for one particular subject. Some examples would be “Physics”, “Japanese”, “Mathematics”, “CRJ”, “ATR”, etc....

## Minor Tags

Each card has one or more minor tags. The minor tags are used to group all the cards for a subsystem. Some examples might include a group of formulas, words, phrases such as Memory Items, Aircraft Limitations, Engines, Aircraft General, etc..

## Question

A question can be plain text or embedded HTML, if there is interest - future versions could support audio / visual attachments.

## Answer

An answer can also be plain text or embedded HTML, if there is interest - future versions could support audio / visual attachments.

## Public or Private Card

A card is flagged either public or private. Private cards are not exported. Private cards are saved when the entire database is saved.

## Two Sided (Mirror) Card

A two sided or mirror card is a card where the answer will also be asked as a question.

## Importance

Rate the card on a scale of 0 (nice to know trivia) versus 5 (absolutely must know). The card importance is used by the scheduler to determine when to re-quiz you on the card.

## Stats

The stats page will show your last repetition and grade and when the next repetition is due. You can choose to show this card as soon as possible (ASAP) or to reset statistics.

## Grade

During a quiz, grade your answer on a scale of 0 (no idea what the answer is) to 5 (know this well). The scheduler uses your grade and the card importance to schedule when to re-quiz you on the card.

## 98 FLIGHT FAULT SUMMARY

0000 0001 E3F8 0180

0700 0000 6CEO 0980

000400000000 000000000000

*Waiting on maintenance is  
usually a good time to study!*

# User Interface

The user interface is a tab bar with Quiz, Filter, Cards and Actions buttons.

## Quiz

Tap the quiz tab button to start answering questions.

The question is displayed on a yellow background. Tap the answer button on the bottom to show the answer and the grade scale buttons. Tapping a grade will advance to the next scheduled question.

## Filter

Tap the Filter tab button to filter cards based on one Major Tag and/or one or more Minor Tags. Use the Filter Enabled On/Off switch to turn on the filter, when the filter is On the filter tab bar label will change to “Filter On”. The number of filtered cards available to quiz, edit or export will be visible in the tab bar under the file cabinet label as “# Cards”.

## Cards

Tap the Cards (File Box Icon) button to display a table of cards. If the cards filter is on, the cards table will list filtered cards. In rows, you can tap on “” to edit the card or tap on the “>” to quiz that card. Tapping “” in the upper left of the navigation bar will open a share sheet to export, email, print, etc... the cards.

***NOTE: Cards marked as private will not be exported.***

# Actions

## Saving, Sharing, Importing and Restoring Cards

scFlash uses Apple CoreData. You can save and restore the entire database or import / export a subset of cards based the card major tag or minor tags. Cards marked private will never be exported or imported, however, they will be saved and restored.

### Save Database and Restore Database

**Save:** When you select save database in the actions tab, scFlash will ask you for a file name (default name consists of the YYYYMMDDHHMM-Database.scFlash using UTC time. Tapping “Save” will archive your entire database into the file.

**Restore:** Select a .scFlash file in File Manager (or any other application that will share files, and use the Apple IOS Share menu to send it to scFlash. You will be asked to confirm the restore and if you have already have cards, if you would like to save your current card database before the restore.

***NOTE: Tapping “Restore” will replace your current card database.***

### Export Cards and Import Cards

**Export:** You can export (airdrop, email, etc...) a single card or group of cards. Cards marked as private will not be exported.

**Import:** You can import a single card or group of cards, you will be asked for the card group major tag. The card minor tags will be created if necessary.

# The Authors



Hi! I'm Shawn. I'm either flying, helping my wife Vera with our farm or coding. We hope this application helps you to prepare for your next exam!



Vera with Donnie and Eli.