Magnetic Poetry App

Jacob Westerback

Application Definition

This is a Magnetic Poetry App designed for those who like to use fridge magnets. The app gives you the constraints that inspire you by using random generation from a dictionary. However it also allows for freedom in your creativity by giving you the ability to edit the dictionary.

About this app

Features marked in blue go beyond the standard requirements

- Runs on iPad and iPhone
    - Has app icons for both devices
    - Has a launch screen
    - Words are larger on the iPad
    - Supports both landscape and portrait orientation
    - The bank is smaller on the iPhone for usability reasons
- Starts with words on the screen blocked into rows at top
    - Words have padding
    - Your word bank adjusts on device rotation
    - Starts with the last use words set, the default word set is random. Other options are selecting by word length (1,2,3,4,5 or 6+ letters), accessory words ("ing", "s", "ed", etc), symbols ("3", "#", "!", etc) or pronouns ("you", "me", "I", "she", etc)
        - Changing the word bank clears the current word bank but not the current poem
        - The bank is limited in size. If there are more words than the size of the bank then a random selection is shown.
- Users can drag the words to make poems
- Users can add a background to their poems
- Users can Save their poetry
    - The poem is saved in User Defaults
    - When a poem is saved a screenshot is taken
    - The user can then choose to share their poem
- Users can Load saved poems
- Code
    - Code conventions are followed
    - Code is marked up and documented
    - There are no warnings
    - The word data (Lists.swift) as well as the save data (DefaultsManager.swift) are Singleton classes

- Extra Features
  - Users can add a word to the dictionary that will then show up in the appropriate lists
    - If they add a number it shows up under symbol words
    - It will show up in the appropriate length list
  - Users can delete words by triple tapping on a word in the word bank
    - They are given a warning, if confirmed the word will no longer be generated
  - Users can clear their current poem
  - Users can delete a single word from their poem by double tapping it
  - Users can get instructions by clicking on the '?" button in the upper left corner

How to Use