Code documentation

Structure

- Configuration (**IMPORTANT**)
- Flows - *all app screens/flows*
- Lifecycle - *basic app launch files*
- DataManager - *main data managers*

How does it work:

DashboardContentView is the main view of the app where we show a scroll view with CategorySectionViews and the BatteryProgressView at the top of the screen.

When the user taps the See all for a category, we will show a list of all category specific themes as an overlay on the dashboard view.

ChargingIconsContentView is the view showing a grid of bolt icons that the user can choose from.

ChargingSoundsContentView is the view with a list of .mp3 files that the user can choose from. So when the phone is connected to power, the app will launch playing the animation and mp3 sound.

PreviewContentView is the most important view of this app, because here we show the theme animation, which is a simple full screen video player for a .mp4 theme.

HOW TO ADD MORE THEMES:
To add more themes/animations, just open the Configurations folder, and here you will find the Animations folder as well as the ChargerThemes.json file.

1) Add your new .mp4 video file to the Animations folder
2) In the ChargerThemes.json file, define a new object, with a unique id, set a new or existing category name and icon, provide name for your new .mp4 file, then if you want you can either set the sound file name to some existing .mp3 file or leave it empty, the same thing applies for the progress icon (bolt image)
3) Add a thumbnail image into the Assets file -> Thumbnails folder. The thumbnail image name must match the name of your .mp4 file.

BONUS:
If you don't have a thumbnail image, or if you don't know how to create one. See in this Documentations folder, there is a bonus app for you, called ThumbnailCreator.

Right-Click on this app, then Open. You will have to drag & drop or type in the location of your Animations folder, where your .mp4 files are located, then click the Extract Thumbnails button.

This will take a few seconds, then you will find the thumbnails automatically generated on your Desktop.

GREAT JOB!
Now you can run the app and your new .mp4 animations should be available in the app.

AppConfig is the file that you may recognize from all Apps4World templates, here you can find some helpful configurations that you can change if needed.

You can create your own in-app purchase on the App Store Connect, then come back to the AppConfig to replace the "premiumVersion" with your own iAP product identifier.

If you add new .mp3 files, then make sure you update the "allSoundFileNames" property in the AppConfig to include the names of your new .mp3 files.

To replace the **AdMob identifiers** see the Documentation folder.

USEFUL LINKS:
To setup your own **Firebase** project:
https://www.apps4world.com/firebase-ios-tutorial.html

To add auto-renewable subscriptions to any projects:
https://www.apps4world.com/swift-inapp-purchase-tutorial.html

Good luck with your next app!

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