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Phun App

An app that fetches StarWars missions from (<https://raw.githubusercontent.com/phunware-services/dev-interview-homework/master/feed.json>) and presents its details.

Features

- iPhone and iPad support with unique Auto Layout for both devices.
- iPhone presents the feed in 1 column, iPad presents it in 2 column.
- Supports all device orientations.
- Fetches list of Mission details in JSON format using Alamofire, which supports caching for offline usage.
- Missing image (nil) or broken url link is supported by placeholder image.
- Dynamic cell size for Missions with larger feed.
- Followed MVC (model-view-controller) design pattern.
- Followed Delegate Protocol pattern.
- Converted date string format.

What I would change

The prompt asked for a header image that scrolls together with the page's content. Therefore, I made a header using `UICollectionViewReusableView`. In the wireframe example given to me, I see that the image on iPhone lays on top of all the content (title, detail, etc). However, on the iPad, the image lay behind the content. I made the change of iPad's header image to be just like the iPhone's, on top of the content instead of behind.

What was hard

Getting the Gradient View to autoresize efficiently when the device changes orientation quickly on iPad. On simulator, there's a lag on the Gradient View autore sizing when the device orientation switches quickly. Would love a constructive criticism on this.

Swift Package Dependencies

- Alamofire (<https://github.com/Alamofire/Alamofire.git>)
- SDWebImage (<https://github.com/SDWebImage/SDWebImage.git>)
- SnapKit (<https://github.com/SnapKit/SnapKit.git>)

Versions

- XCode Version 12.4 (12D4e)
- iOS Deployment Target 14.4