Test Storytel

Create a new iOS app from scratch (in Swift). The app should contain one screen only, displaying a list of books and a header for the list.

Functional Requirements:

- 1) App should be able to load books list.

- 2) When scrolling to the bottom there should be a loading and there should be pagination implemented.

Deadline:

7 Days.

Programming Language Used:

Swift

Developed For:

- 1) iPhone (iOS)

Orientation Supported:

Portrait
Landscape

Architect Followed:

MVVM

Code Structure:

You will notice that there are some extra folders in the project, even though I have not followed MVVM but I have designed my project template whenever I start a new project I use this template to start a new app.
Here is a brief description from those folders:

-     - Model (All the Models will go here)

- - View (All the views related things will go here like TableViewCell, Launch Screen, Custom Classes and Sub Classes)

- - Controllers (All Controllers goes here)

- - ViewModel (All the ViewModels goes here)

- - ApiService (All the Networking Client/Manager goes here)

- - Helpers (Any sort of Helper and Manager Class)

- - Extension (All extension will go here except ViewControllers Extension)

- Code Explanation:
  There is only one Screen BooksListViewController in which I am displaying a list , header and a footer when loading more items.

- Error Handling:
  There is some error handling in the app like a retry alert when internet is offline and some custom error handling.

- Theme:
  Light and dark theme is supported in the app.

- Frameworks Used:
  1) SDWebImage
  Added SDWebImage because of progressive load and activity indicator functions.

  Note: I have added comments as well where required. You can check the code.