**The Guardian - Search and Save!**

**Scope of Work:** Create an iOS Mobile application to search news from The Guardian.

**Requirements: (v1.0)**

* Create an iOS app to fetch data from the API based on user search
* Display data in table view
* On click of each cell, display the whole content in different view
* On click of webUrl, redirect to webpage
* Implement pagination of tableViewCells
* Store latest search offline and display data when app is not connected to network

**API details:**

|  |  |
| --- | --- |
| Website | <https://open-platform.theguardian.com/explore/> |
| API URL | <https://content.guardianapis.com/search?api-key=5ea8b565-42d8-48ef-980c-eb3ae21d4dad> ( developer version ) |
| Query parameters | page : Int,  page-size : Int,  q : String (Search text) |
| API Response | {"response":{"status":"ok","userTier":"developer","total":2281972,"startIndex":1,"pageSize":10,"currentPage":1,"pages":1,"orderBy":"newest","results":[{"id":"news/2021/jul/18/corrections-and-clarifications","type":"article","sectionId":"news","sectionName":"News","webPublicationDate":"2021-07-18T20:00:38Z","webTitle":"Corrections and clarifications","webUrl":"https://www.theguardian.com/news/2021/jul/18/corrections-and-clarifications","apiUrl":"https://content.guardianapis.com/news/2021/jul/18/corrections-and-clarifications","isHosted":false,"pillarId":"pillar/news","pillarName":"News"}} |

**UX Design :** To follow Apple Guidelines

**Tools Used:**

Xcode, Core Data, SQLite, UIKit, Reachability, System Configuration, SafariServices, AutoLayout

**Definition of done :**

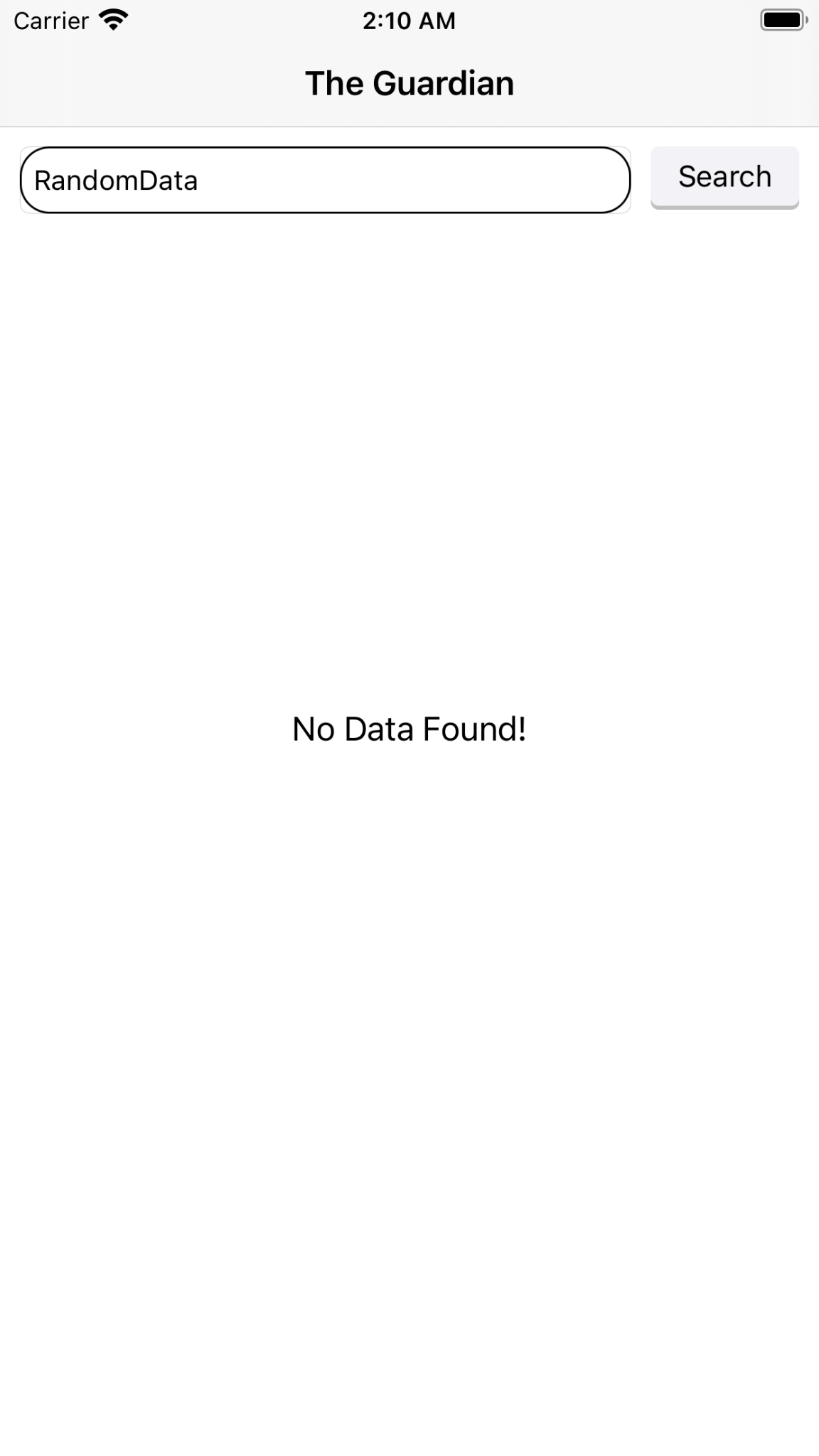
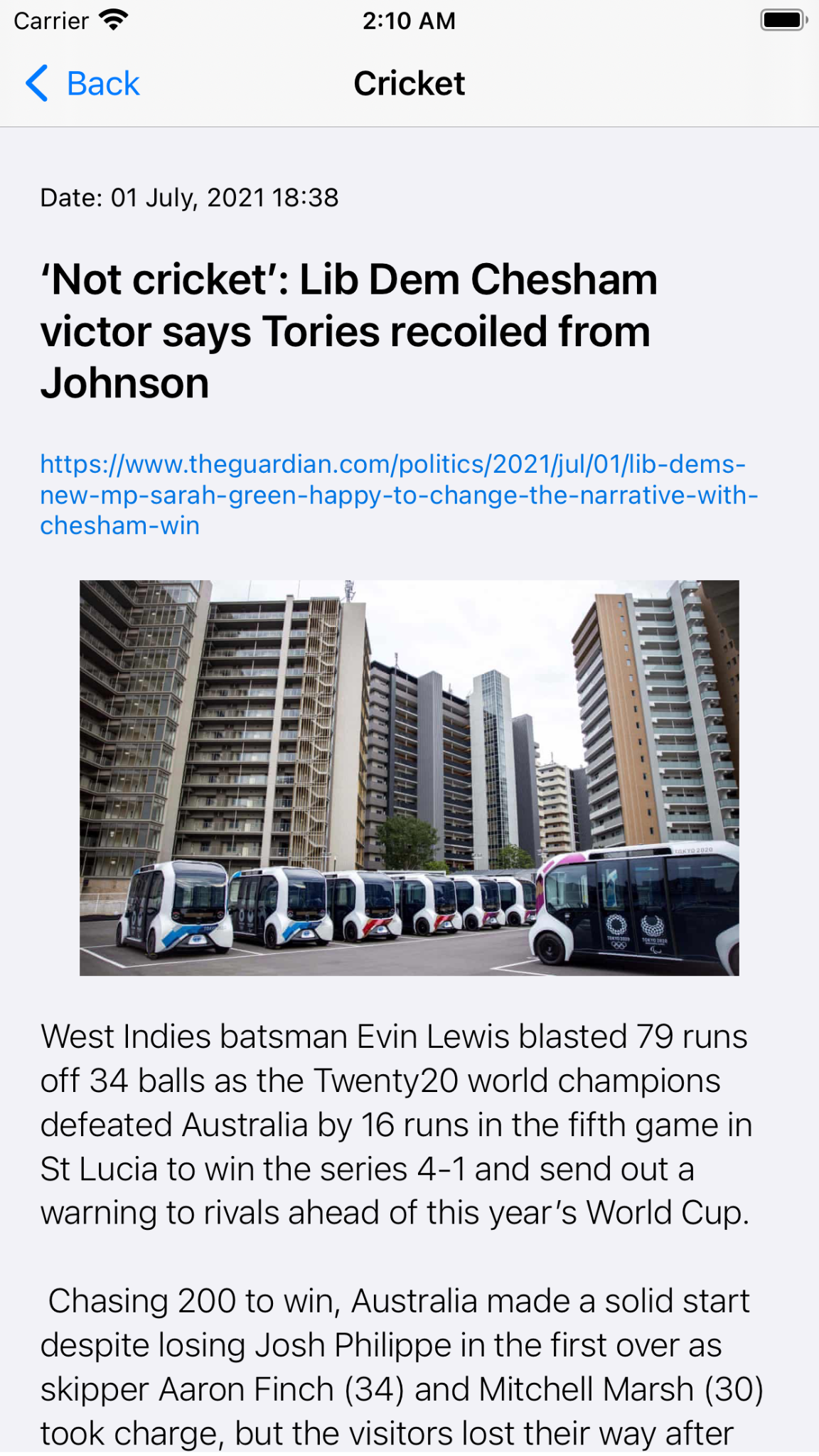
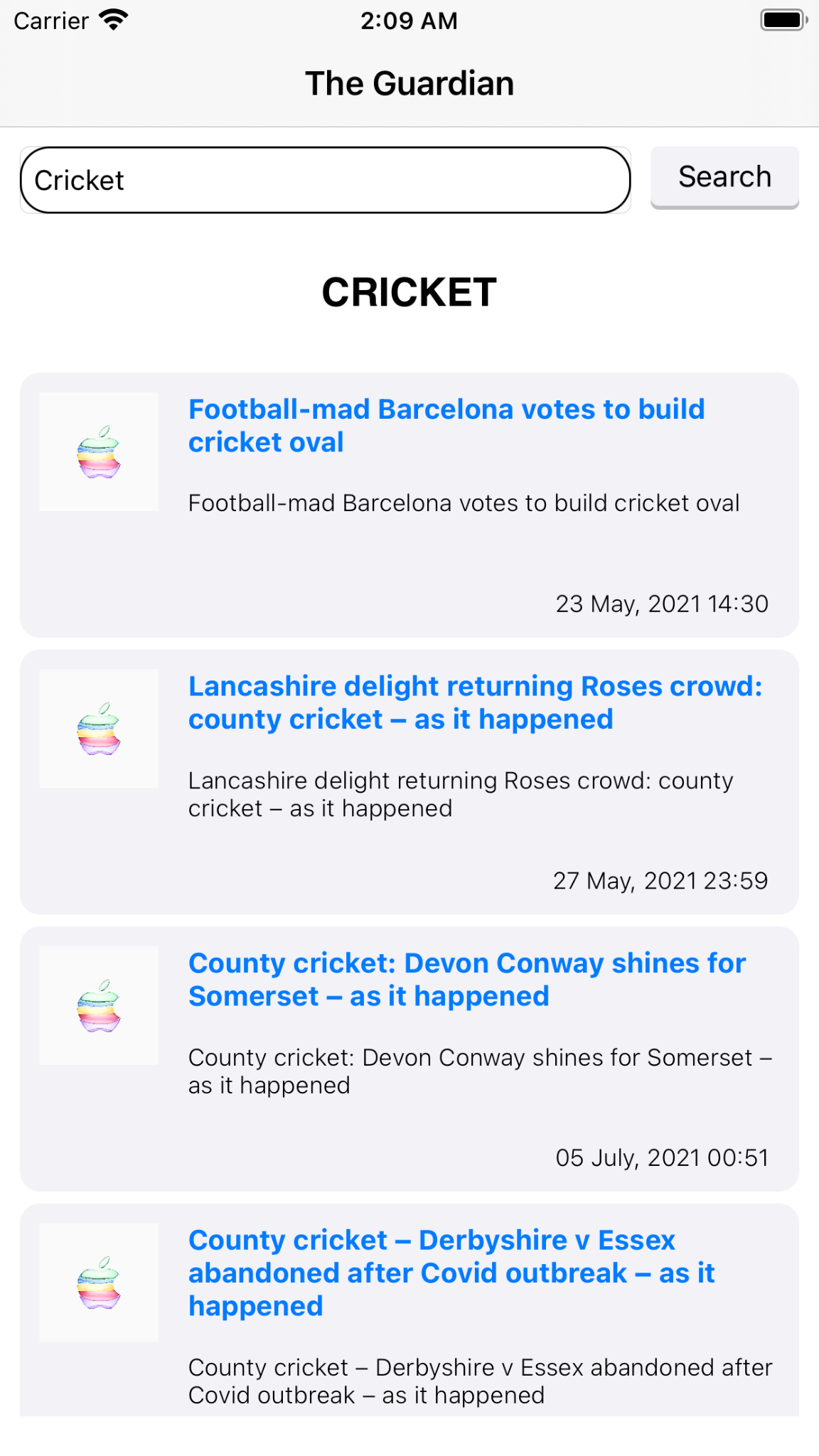
User should be able to

* Open the app
* Type on the text field and click on search field
* View the results based on API response
* Observe error message when no results to display
* Auto save to local database
* When offline, should be able to view the last search result in the app.
* On click of cell, detailed news to be displayed
* On click of webUrl, should be redirected to the safari web page.

**Exit Criteria:**

* Should meet all above mentioned requirements and every test case should be successful from the test case sheet.[Testcase : The Guardian - Search and Save!](https://docs.google.com/spreadsheets/d/1SY9qf_tx50vcDZrqug6KlAuIFPMJHZi-PgQeekSPeZ4/edit#gid=0)
* Should have approval from the required stakeholders

**UI Screenshots: (iPhone 8 plus)**



**Issues and Workaround:**

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| --- | --- |
| Issue | Workaround |
| As it was developer API, thumbnailImage and bodyText was not available | Provided default image in project assets and default text to all bodyText in details page. |