**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!

• Should have approval from the required stakeholders

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

**Issues and Workaround:**

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.

GitHub repo : https://github.com/amrithjh007/Cricket