

Native iOS Swift Developer

Technical Assessment

Dated: 10 November, 2023

Deadline: 14 November, 2023

Test Description

1. Application Development:

- **Task:**
Build a simple iOS application that displays a list of top news articles. The user should be able to view article details upon selection.
- **Requirements:**
 - Fetch news articles from a public API like [NewsAPI](https://newsapi.org/).
 - Display a list of articles with a summary. Each list item should include the article's title, author, and published date.
 - On selecting an article, navigate to a detailed view that includes the full article and image.

2. UI/UX Design:

- Create a clean and intuitive user interface.
- Ensure the design is responsive and provides a good user experience on various device sizes.
- Implement a custom UI component (e.g., a custom transition animation between the list and detail views).

3. Swift Programming and iOS Features:

- Use Swift's advanced features where appropriate (such as generics, closures, protocols).
- Ensure proper use of concurrency for API calls using Grand Central Dispatch or similar.

4. Code Quality:

- Write readable, maintainable, and well-documented code.
- Employ appropriate design patterns (MVC, MVVM, etc.) for the application's architecture.

5. Error Handling:

- Implement robust error handling for the API integration and UI components.
- Include user-friendly error messages for potential issues like network failures.

Instructions for Candidates

Deadline: Complete the test before Tuesday mid-day i.e. 14th November, 2023.

Submission: Submit the code via a GitHub repository.
