



## **Mobile Developer Coding Challenge**

Greetings,

You are given this challenge in order to evaluate your skills as a mobile app developer.

Please read the instruction carefully and provide us with:

- Source code - compilation error free
- Short document\markdown specifying what design principles and techniques you implement.
- apk file (not obfuscated)

### **Challenge:** News Article Client

#### **Objective:**

creating a news article client using <https://newsapi.org/> API, providing the user with a list of the latest news article from a specific news provider. The client present a screen with a list of article previews for the selected provider (can be defined in the request), selecting an item will open the full article on a separate screen.

#### **Requirements:**

- The content of the article list should be refreshed on the following occasions: starting the app, resuming from a background state, resuming to the main screen containing the list of articles.
- The code should follow one of the common design paradigmas: MVP \ MVC \ MVVM
- Dependency Injection (by any mean) should be implemented as part of the development.

#### **References:**

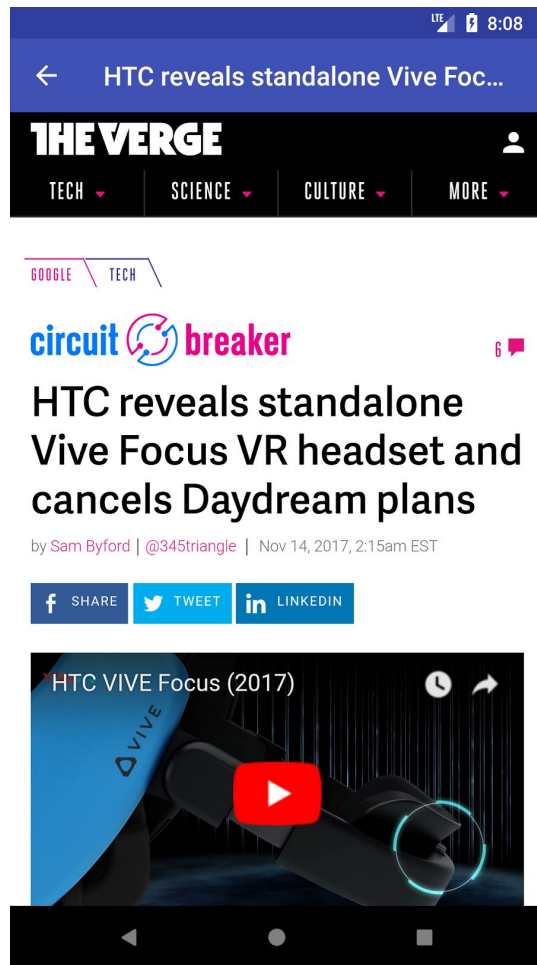
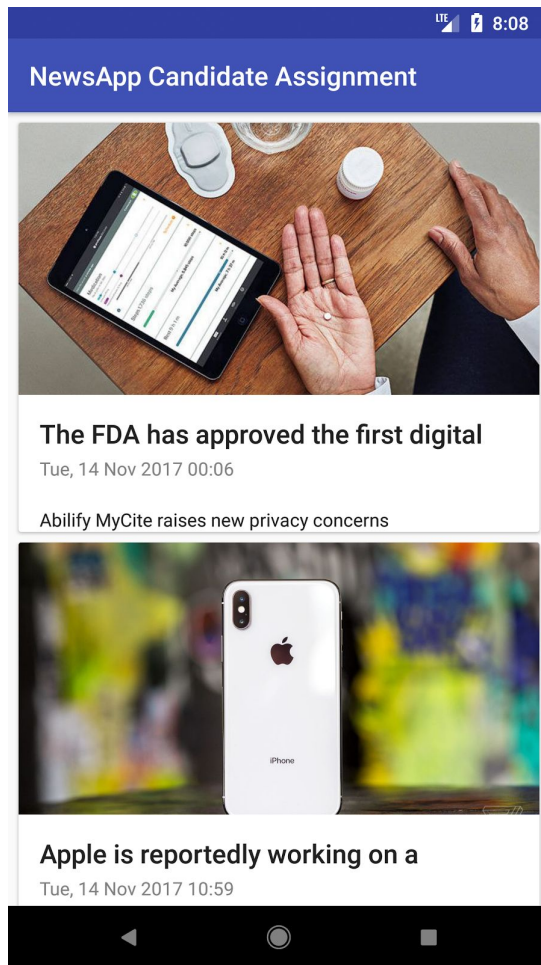
- News API - <https://newsapi.org/#documentation>

#### **Notice:**

- 3rd party libraries are welcomed.



**Concept:**



**Good Luck,**  
Autodesk BIM 360 Mobile Group.