

Android coding test

Your task is to create a simple Android application that provides word suggestions (aka autocomplete) based on an input sequence of characters.

Example of source data may be,

hello, helium, height, high, horse, flower, florence

If the input is "he", the application shall respond with "*hello, helium, height*".

Business requirements

- The application shall read a list of words from a file of your choice
- Other applications on the device should be able to pass in input to the application and get a result back of which suggestion the user chose
- The application, when started manually, shall query the user for input and respond with suggestions, if any

Technical requirements

- The application must keep in sync with the source of the data
- The application architecture must support future additional alternatives to how the data retrieved, say from a web server.
- The application should work in portrait and landscape modes

Delivery

What we would like from you is a zip file containing:

- A gradle project with your application source code and unit tests
- An Android apk file that can run on Api Level 21 devices
- A readme file that outlines,
 - Any assumptions / decisions you made
 - High level description of your solution
 - Information on any tools, libraries, etc you have chosen and why