

## **Mobile App Design and Implementation Test Project**

### **Architecture Design**

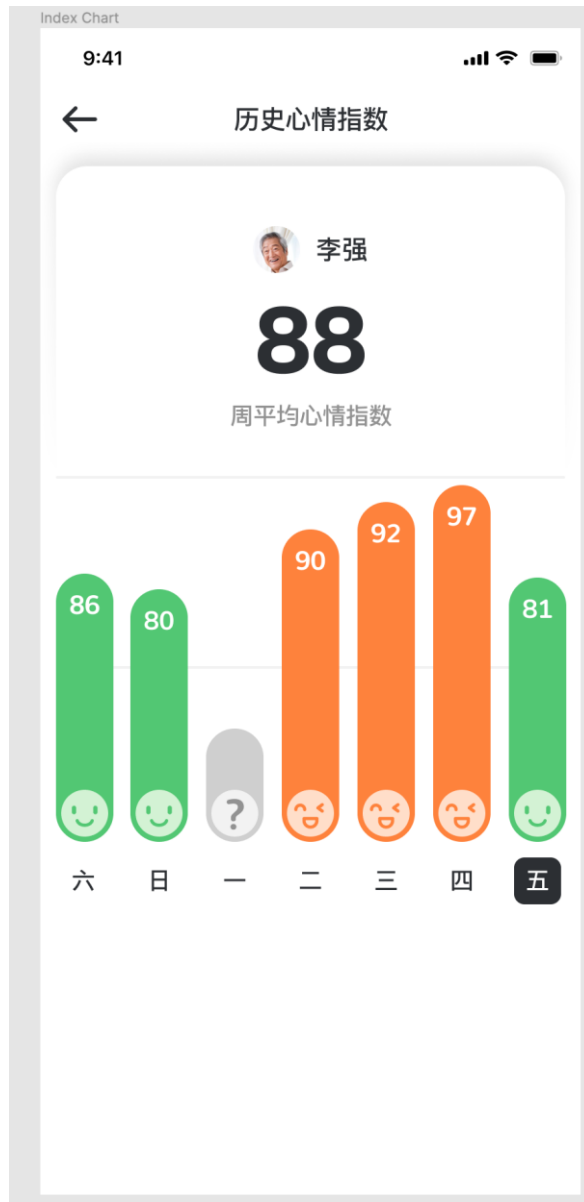
You are asked to come up with the mobile architecture for a Super App (I.e. an app like Alipay/WeChat that provides many different services from 3rd parties, and updates regularly), how would you architect it?

What are the technologies/framework you will use? Why do you select those technologies? How do you provide the updated version quickly to the customer?

### **Programming**

### **You can choose one of the following topics to implement**

1 You are given the following screen to implement.



The UI design <https://www.figma.com/file/xh4iktpcp-SaCPjN9SMsDO/%E5%89%8D%E7%AB%AF%E6%B5%8B%E8%AF%95%E9%A2%98?node-id=0%3A1>

The live video <https://www.bilibili.com/video/BV1MU4y1V7aa/>

You could build it using react native, flutter or your familiar framework (preferably react but not must) that helps you develop it.

2 Reconstruct the list and detail page of the 简书 website by nodejs, mongodb is used for data storage, docker is used for stand-alone deployment, and deployment execution script



need to be provided.



<https://www.jianshu.com/>

<https://www.jianshu.com/p/714c161c1f1c>

Please provide the following:

- 1) Design document to explain the technology choice, and your assumptions. For example, did you use any external library to help, and why?
- 2) Source code in the GIT repository. You could use bitbucket, github or other similar service.
- 3) Automated Test cases, if possible.
- 4) If it is a mobile app, please provide a way to download and install the app for review. Alternatively, you could capture a movie of your mobile simulator if you cannot provide a downloadable app.
- 5) Note:
  - a. You could use the programming language that you are most familiar.
  - b. Keep it simple and make it looks good ☺

*Since the purpose of the assignment is to test your development skills, we expect you to develop the project independently, and not just copy the code from an existing open-source project with minor modification.*

*If you really need to use 3rd party library or open source projects, please list what you have you used.*

*If you are not sure whether a particular lib or open source project could be used or not, please contact us.*

Time to delivery: four days