

Thank you for participating in our interviews and moving forward with our technical take home assignment (below). Our team looks forward to seeing your finished results and connecting with you to discuss.

Bitcoin is a very difficult protocol to work with, especially for a newcomer to cryptocurrencies, so this challenge is to create an interface for a new, much simpler online currency, the *Jobcoin*. Jobcoins have “addresses” that are just arbitrary strings, and there’s no mining or transaction signing - anyone can create Jobcoins out of thin air, or send them to an address.

Create lots of Jobcoins (use random strings) and send them to people !

Your challenge will be to make a mobile application that allows users to send Jobcoins and check the balance.

Requirements:

1. Create 2 screens
  1. Sign in page (using any created address from the management tool)
  2. Send page, sending to any address (any string of text)
2. Track the balance of a Jobcoin address
3. Ability to send Jobcoin to an address and track those transactions and the resulting balance
4. Display transaction history visually (chart, line graph etc)

## Screen 1

1. UI Elements
  1. Sign in widget
2. Assumptions
  1. No user/pass needed. You ‘sign in’ by typing in an address created in the management tool and submitting.

## Screen 2

1. UI Elements
  1. Balance of the entered jobcoin address
  2. Send widget
  3. Data vis (graph)
  4. Sign out (back to the home/previous screen)
2. Assumptions
  1. User can send to any address (any string of text)

2. This will be tracked via the graph and balance

Again, we just want to get a sense for how you write code and solve problems. This is not meant to win any design awards. ;) Please use any framework, libraries, or tools that you think are appropriate to solve the problem. And don't hesitate to ask any questions. Expect this to take 3-4 hours to complete.

The graph is meant to show the account balance over time however you'd like. Make sure it updates when a new transaction is made.

Let me know if you have any questions!

Best,  
The Gemini Team