Take Home Test – Android/iOS

Duration: 2 days from now at latest, but as soon as possible.

Task: Make an iOS/Android application in which the user

- Enters the email and gets an encrypted password from the backend.
- Decrypts it by clicking a button (Encryption logic is mentioned below).
- Moves forward, if decryption is successful (The backend matches the encrypted and decrypted passowrd).
- Enters and then submits details about himself.

Expectation:

- Code should be with the best possible standards.
- There should be no bugs.
- The aesthetics of the screens are dependent upon the candidate's perception.
- We are looking for quality rather than quantity.

Encryption Logic:

Password – lets meet at five (Ignore the spaces)

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. e . . . . . t . t . . . . .

. . t . . . e . . . f . . . .

. . . s . e . . . . . i . . e
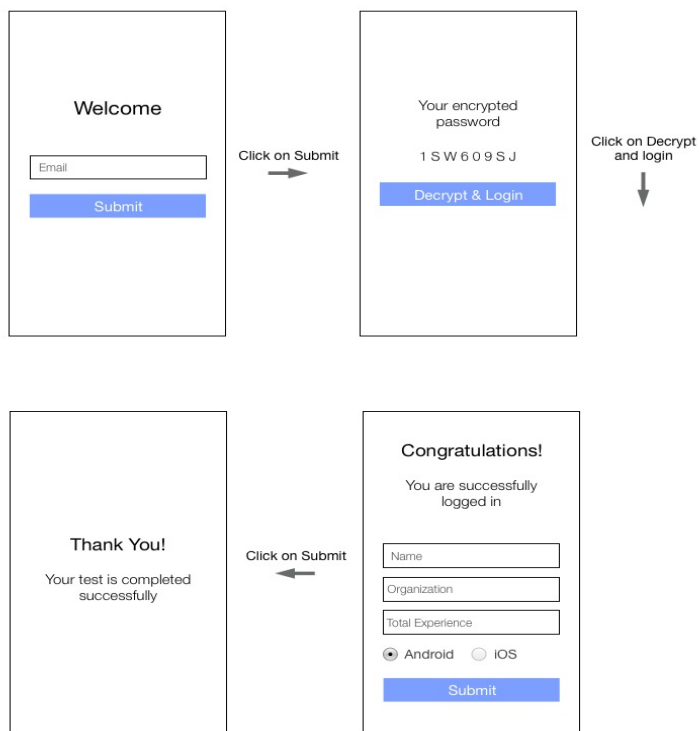
. . . . m . . . . v . .

Encrypted password – laetttefseiemv

Annexures:

- Annexure I – Wireframes
- Annexure II – API Details

Annexure – I : Wireframe

Annexure – II : API Details

Below are the instructions for the test. There are 3 APIs with which you will be communicating (through JSON) to take the test. Every API responds with two nodes success and message where success is Boolean value and message is the corresponding information. Please hit the APIs with format of params as given.

1. **Sign up API**
   a. Type: POST
   b. Url: https://infinite-spire-5111.herokuapp.com/api/v1/sign_up
   c. Params:- {"user":{"email":"<enter your email>"}}

After hitting this API with your email in the above format you will get the success, message nodes including the node "encrypted_message" which has the password to be decrypted.

2. **Verification API**
   a. Type: POST
   b. Url: https://infinite-spire-5111.herokuapp.com/api/v1/submit
   c. Params:-{"test":{"email":"<email>","decrypted_message":"<content of the decrypted message>", "encrypted_message":"<encrypted message that is sent during signup api response>"}}

After you get the encrypted password, you should hit this API with the decrypted password. If the decrypted password provided is valid then you will be allowed to register your details in the next API.

3. **Register API**
   a. Type: PUT
   b. Url: https://infinite-spire-5111.herokuapp.com/api/v1/register
   c. Params:
   d. {"user":{"email":"<email>","name":"<name>","gender":"<male>","phone_number":"<123213>","current_company":"<company>","experience":"<in years or months string value>", "area_of_expertise":"<ruby, java, iOS>","comments":"<feel free to provide any comments here>"}}

Once success is returned in the Verification API, you can now hit this register API with your details and then on success response the test is completed successfully.