



The Challenge

We are asking you to complete this take-home code challenge so that we can better understand your technical skills. Expect to spend up to 8 hours or 3 days working on this challenge, as your schedule allows. If you need more time, we understand, just let us know. If you have any questions, please feel free to reach out. Reply to the original email in which you have received this challenge and we will get back to you as soon as we can.

Basic Tasks

Showcase your skills by creating a react.js registration form and an admin panel that consume RESTful APIs.

Tools and technologies to be used:

- RESTful API
- Laravel Framework
- ReactJS
- ReactNative
- MariaDB (MySQL)

1. Create the following APIs (Using Laravel):

- ✓ Login API using JWT authentication (Admin section)
- ✓ Logout API (Admin section)
- ✓ Register API to add new customers. (Front section)
- ✓ Customers API that returns list of registered customers with pagination and an option to choose between 20, 40, 60 customers per page and filter (id, first name and email).
- ✓ Average API that returns the average number of registrations within a specific period (last 24 hours, last week, last month, last 3 months, last year).

2. Create a React.js app for customers to sign up using the Register API including a customer homepage

- ✓ Showcase your front-end development skills by creating a homepage based on the provided design (Grid.v2.pdf file).
 - Create an appealing look and feel based on the provided design.
 - You can use the images provided (Images.v2.zip) on the page
 - Download icons from <https://lineicons.com/icons>, you can use similar icons from the same family of icons if you cannot find the exact icon
 - Make sure you create a responsive design

3. Create a ReactNative mobile app that integrates the Login, Logout, Customers and Average APIs:

- ✓ Show a dashboard on customers count and averages (try to use appealing UI components like charts or gauges)



Advanced Tasks

1. Frontend: Deploy the form on Netlify or Vercel
2. Backend: Deploy the API and Database on Heroku or similar services
3. Customer homepage
 - a. Right-to-left Arabic localization
 - b. Overlaying design
 - c. Text manipulation in the design
4. ReCaptcha integration on both server and front
5. Upload customers' images on S3
6. Spam preventions
7. Create a CRON job to daily send an email with the total number of new registrations
8. API documentation
9. GIT integration and auto-deploy

What we are looking for

We value code quality and readability along with functional code. The code submitted should be production quality and something you would use in a real application.

Delivery

Once complete, send a reply to the original email letting us know you're done and host the completed project files on either GitHub, Bitbucket, GitLab, Google Drive, One Drive or Dropbox and share it with us.

If you can also upload a video to the GitHub repo showing the mobile app UI, that would be great too. Good luck!