Technical Test

React

« PaloPic Order System »

Duration: 1 hour 30 minutes

Version: 1.0

Summary

I.   Goal of the technical test

Welcome to the test!

The purpose of this exercise is to evaluate your coding style and overall approach to software engineering. You don't need to finish all the tasks.

This technical test is about React. Please keep in mind to code with the react philosophy (Component, Props, Events, etc...)

In order to start the test please follow the following steps :

a. Download the boilerplate :
    https://github.com/facebookincubator/create-react-app

b. Download the resources:
    palo-react-resources

c. You are ready! Enjoy!

II. Planning

This technical test will last 1 hour and a half and will proceed as follows :

Introduction   5 minutes
━━━

A 5-minutes introduction of what we will be expecting from you for this technical test.

If you have any questions, please do not hesitate to ask.

Code   70 minutes
━━━

You will have 70 minutes to complete as many tasks as possible.

You can use the internet to read the technical documentation or search for solutions on StackOverflow.

Please avoid merely copy and pasting code but rather, find solutions to problems and use your own knowledge to apply what you have found.

Presentation   15 minutes
━━━

You will have 15 minutes to showcase your work (UI + Code)

III. PaloPic Order System

In November 2016, our offices in Asia came together in Phuket over the weekend to celebrate our achievements at our SMART PALO retreat.

While there were lots of fun and play, sharing sessions involving employees' visions for the company were also held.
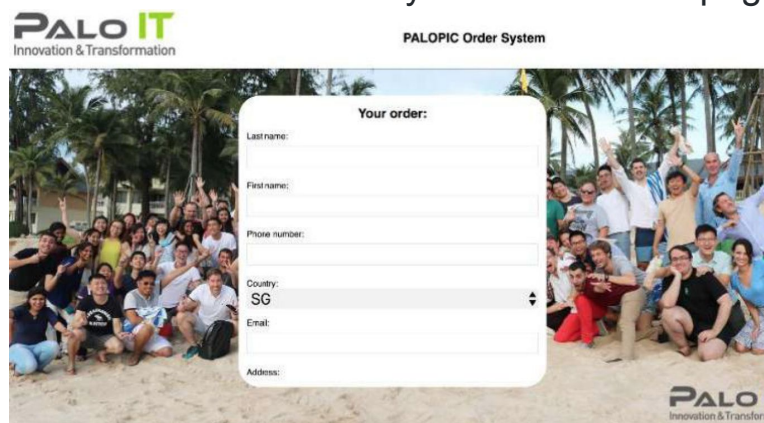
Ultimately, everyone had a blast basking in the sun with their colleagues while forging deeper friendships within the company!

After this retreat in Thailand, Palo IT would like to create a website where employees could order souvenir photos. You are tasked to create this website.
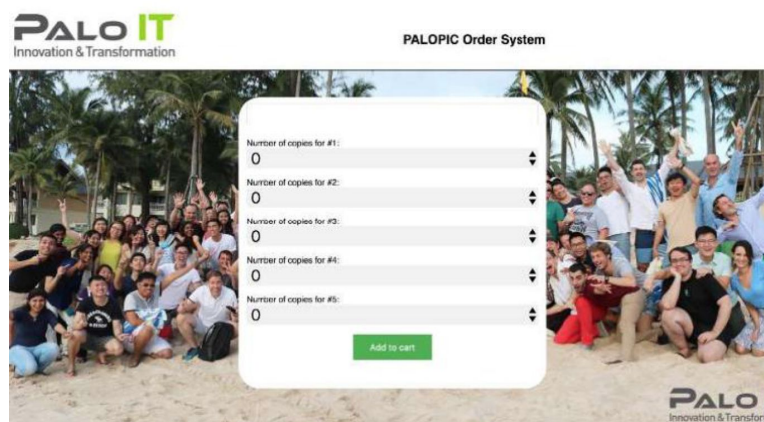
Task 1 : Form Order   *Estimated Time : 25 minutes*

For this task we will ask you to create this page:

Route of this page : /order

Here are the details for the form :

Last Name	String
First Name	String
Phone Number	String
Country	String, two values only: HK or SG
Email	String
Postal Address	String
Number of copies for #1	Integer, values allowed : 0,1,2,3,4,5,6,7,8,9 or 10
Number of copies for #2	Integer, values allowed : 0,1,2,3,4,5,6,7,8,9 or 10
Number of copies for #3	Integer, values allowed : 0,1,2,3,4,5,6,7,8,9 or 10
Number of copies for #4	Integer, values allowed : 0,1,2,3,4,5,6,7,8,9 or 10
Number of copies for #5	Integer, values allowed : 0,1,2,3,4,5,6,7,8,9 or 10

When the user click on the button « Add to cart », the form should disappear and the « Summary of your order » appears.
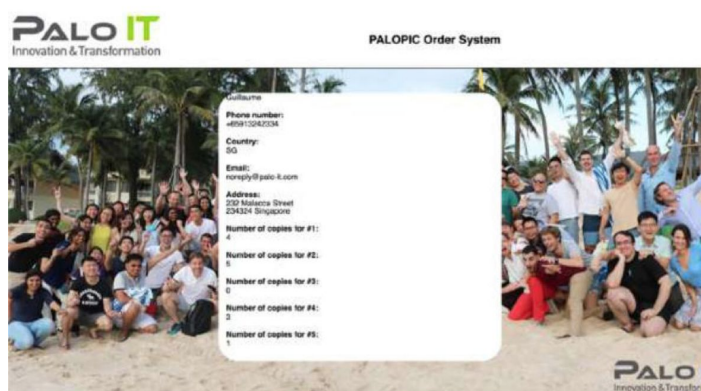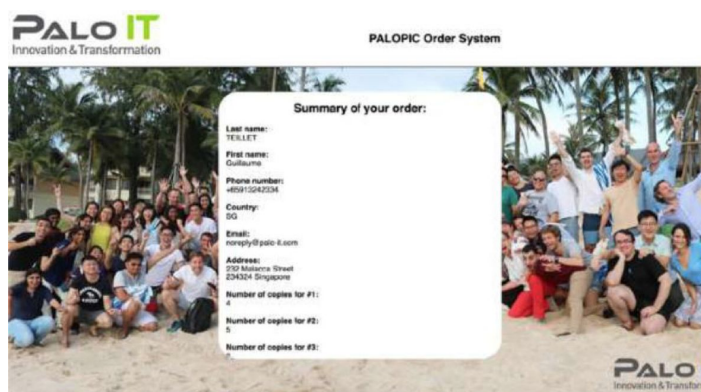
Task 2 : Gallery   *Estimated Time : 25 minutes*

For this task we will ask you to create this page:
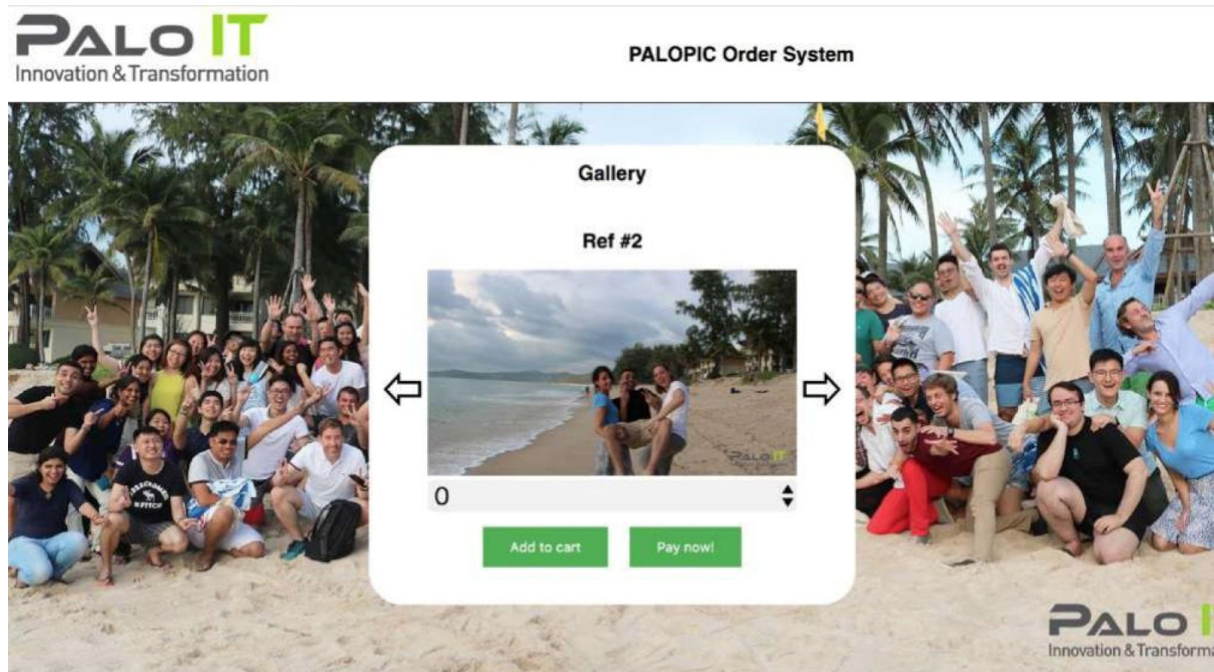
Route of this page : /gallery
You will display all the pictures available in the gallery.

The user can :
- Navigate with the left and right arrow.
- Add the picture to cart (Update the Number of copies for the specific picture)
- « Pay Now! » : you have to bind this button to this route « /order »

You will have to :
- Update the « Ref # » with the id of the picture.
- Update the selected value of « Number of copies » in the « /order » form.

Resources:

Background Color for the buttons: #4CAF50
Arrows ASCII : ⇦ ⇨

Task 3 : Homepage   *Estimated Time : 10 minutes*

For this task we will ask you to create this page:

Route of this page : /

Resources:
Background Color for the button « Order now ! » : #4CAF50
Picture: home.jpg
Remark: Bind the button « Order now ! » to this route : /gallery

Bonus Task   *Estimated Time : 10 minutes*

If you have time, we would like you to create the mobile responsive version of this website.

If you still have time, you can add any features you see fit.

< END OF TECHNICAL TEST >

Palo-IT Singapore and Honk-Kong in Phuket (2016)