P1 - Mobile App - Orders Management

Context

This project is part of a broader solution that implements a marketplace used by producers, resellers and other related companies, to put their products on sale.

This project focuses on an mobile application for these companies to receive and fulfil orders placed by marketplace customers.

Mobile App

This project aims to develop an application in React Native supported by a REST service (part of this project), based on the following assumptions:

a) The application is supported by a back-office service that complements the functions requested for this application - a service that will have to be simulated (for example, by filling in the data directly in the database).

The application requirements are the following:

a) It should allow the registration of the user representing the company that will sell products in the marketplace. The data required is the name, mobile phone, email and identification of the company represented by the user (chosen from the list of companies already registered on the platform).

b) After registration, the application should only allow to write an authentication code (4 digits).

c) This code is sent to the user email, after the organization of the marketplace validates that he is a legal representative of the company marked on the registration (this is not part of the project).

d) Only after the code has been introduced and validated, the user can access the other functionalities of the application, which include:
   i.   Editable screen of the user's data, including the possibility of placing a photo;
   ii.   Screen with the contact details of the supplier manager of the marketplace assigned to the company in question;
   iii. Screen with a chat to contact the supplier manager;
   iv.   Editable screen with the contact details for merchandise collection and billing;
   v.   Screen with the pending orders, sorted from the most recent to the oldest, with an indication of the date of order, deadline for shipment and status of the order (with regard to the supplier).
   vi.   Detailed screen of the order with the products (reference and quantity), order date, expected delivery date, address of the recipient, and order status.
   vii. In the previous screen, the user should be able to update the order status, indicating: receipt of the order, order ready and order forwarded .
   viii. After receiving the order, user should be able to set the shipping date (if it is not possible to guarantee the date appointed on the order).
   ix.   There should also be a screen for consulting closed orders, with resources to filter the orders (year, month and day).
   x.   From the previous screen, user should be able to consult the order details, with the same requirements set at point vii, but without the possibility of changing data. This screen can also include the assessment assigned by the buyer.

e) The application should include an authentication solution to access the REST service.

Valuation of the project

Things to take into account for the valuation of the project:

a) Graphic construction, usability and adaptation to different matrix definitions of the entire application;
b) Use of more than one navigation solution;
c) Use of the ContextAPI to manage the global status of the application;
d) Authenticated access to the REST service end-points;
e) Organization of the project, the quality of the code and the use of good practices in the development of the project.
f) In the present project there is the possibility to use push notifications which will be considered to increase the final grade of the project.

Submission

The work must be delivered by 11:55 pm on June 4, 2021, through Virtual.IPB in zip format.