MAD – Lab 3

AA 2018-2019

ApPeAL

Applied Pervasive Architectures Lab

Data management

- Given the applications developed so far, create the backend using the Firebase Real-time Database

  ○ It stores restaurateurs, customers' data, menus, riders' information, orders, …

- Design its structure in order to efficiently store and retrieve all the data managed by the 3 applications

Communication and Notification system

- It is also necessary to put in contact the stakeholders:

  1. When a customer places an order the restaurateur's app should show a notification and present the ordered items in a suitable view

  2. When the restaurateur requires a rider, the rider's app should show the notification (the rider is randomly chosen)

Riders management

- If they are not already implemented, incorporate the following features:

  ◦ Pending delivery requests are displayed on a list

  ◦ For each order, the rider should be able to access both the restaurant and the delivery addresses

  ◦ Consider that GPS will be explicitly covered in forthcoming labs

Customers' app

- If they are not already implemented, incorporate the following features:
  - Allow to search restaurants with different filtering criteria
  - Add an activity for order management (selected restaurant, dishes, quantity, price, delivery hour, ...)