**Reservation App Requirements**

1. **Backend Side (Laravel)**
2. Two types of users: User & Admin
3. Auth-related endpoints: login, register, logout, profile
4. Five categories of reservable entities:
   1. Restaurant
   2. Hotel
   3. Event hall
   4. Playground
   5. Tour
5. Restaurant has those related models:
   1. Table
6. Restaurant reservation need those pieces of data:
   1. Table
   2. Chairs count
   3. Date and time
7. Hotel related models:
   1. Room
8. Room must include those fields:
   1. Floor number
   2. Room type: delux, basic, …etc
   3. Room features
   4. Price
9. Hotel reservation must include:
   1. Room
   2. Date and time
10. Event hall related models:
    1. Event feature (extra service)
11. Event hall must include:
    1. Event type: marriage, consolation
    2. Guests count
12. Playground must include a type like tennis, basketball, …etc
13. Playground reservation must include:
    1. Date and time
14. Tour reservation don’t has any restrictions, only reserve a tour that happens in a specific date and time with determined price for sure
15. All reservation types must satisfy those fields:
    1. Status: pending, rejected (by admin), cancelled (by client), done, missed
    2. Price
    3. Payment method
16. Supporting those payments methods:
    1. Cash
    2. Paypal
    3. Credit card (via stripe apis)
17. Done reservations may have a relation with a rating that has those fields:
    1. Rating value (1 - 5)
    2. Comment
18. Reservation changed status will trigger a side effect of popup notifications for mobile via firebase cloud messaging service
19. **Frontend Side Client (React Ionic)**
20. Intro screen for the first time when the user opens the app
21. Auth related screens: login, register, profile
22. Home screen has those parts:
    1. Search bar
    2. Slider for featured entities
    3. List (or grid) view for entites
23. Entity details screen
24. Reserve entity screen
25. Favorites entites screen
26. User’s reservations screen
27. User’s reservation details screen
28. Settings screen (for language and theme mode and notifications preferences)
29. Add rating dialog
30. **Frontend Side Admin (Angular Web)**

Pretty dashboard enables C.R.U.D operations on most of the models in an admin friendly way