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## OUTLINE:

1. Motivations.
2. What is Evento.
3. Features and functionalities.
4. Technologies and implementations.
5. Constraints.
6. Future work.



## MOTIVATIONS:

- Make the communication between employees and the users faster.
- Reduce the long queues to get services done
- Facilitate the experience and user support in their daily living activities.
- Provide the employees information about the user's records more often and in an organized manner.
- This application improves the quality of life for both employees and users.



Figure 7.1: Application Landing Screen

If you want to register as a trainee or a driver then you should enter user mode:

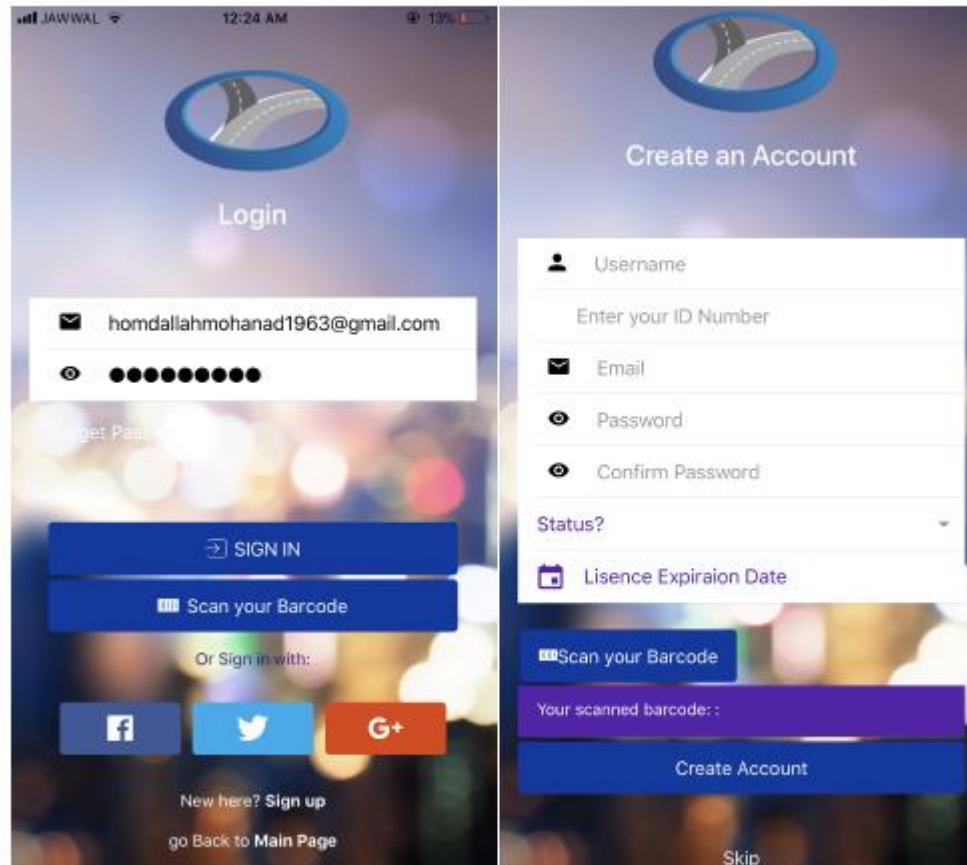


Figure 7.4: Login and registration Screens

- **Profile:** which directs you to your profile and allows you to edit your information by pressing on Edit Button.

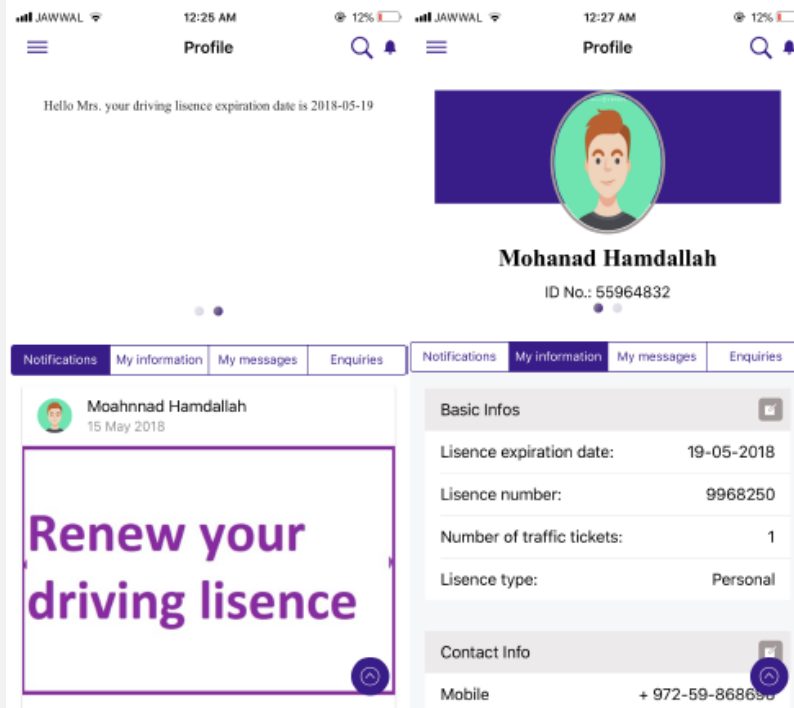


Figure 7.6: Drivers Profile Page

## Driving License Holders Application

Here you could enjoy the following facilities:

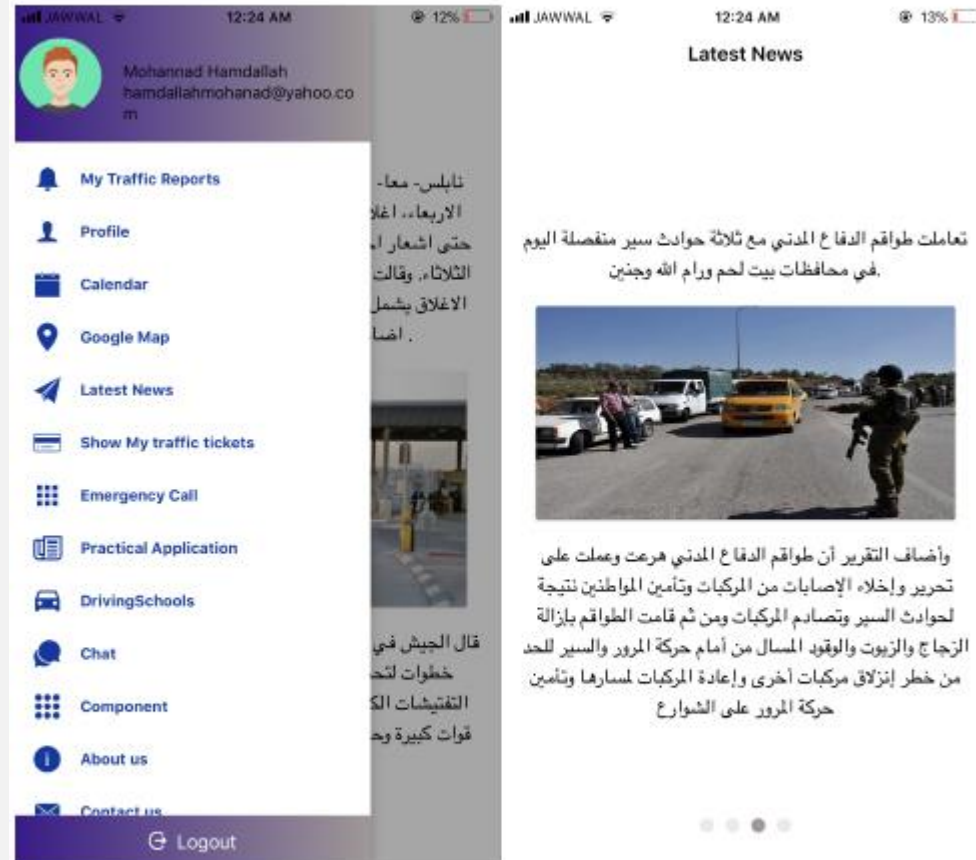


Figure 7.5: Drivers Menu components



- You have an option of calling emergency numbers in urgent cases as follows:

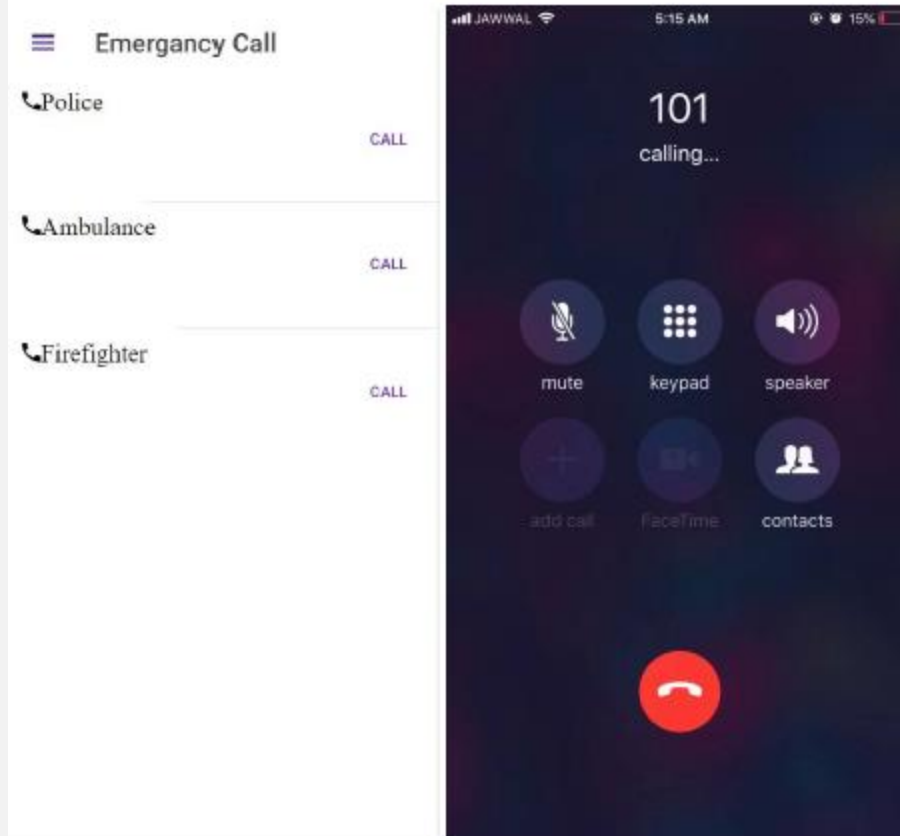


Figure 7.13: Emergency numbers



- You also could view the nearest courts to you in order to pay these tickets:



Figure 7.8: Drivers courts map


- Once you choose the test that suits you, you have an option either to pay fees of the test on-line or simply by cash, once payment is done, the test time will be added to your calendar:

**Book Your test Online!**

**Nablus Street**  
Driving test  
1 Adults  
  
Sun, May 20  
Nablus, Palestine

Total with Tax  
**300**

**Your Details**







Mohannad Hamdallah  
User

**Payment Methods**

Credit card

PayPal



Card Holder

Card Number

...

...

CVV

**SEND**

Figure 7.22: Driving test payment system

- **My traffic tickets:**

- You also could view your traffic tickets with details in traffic tickets page:

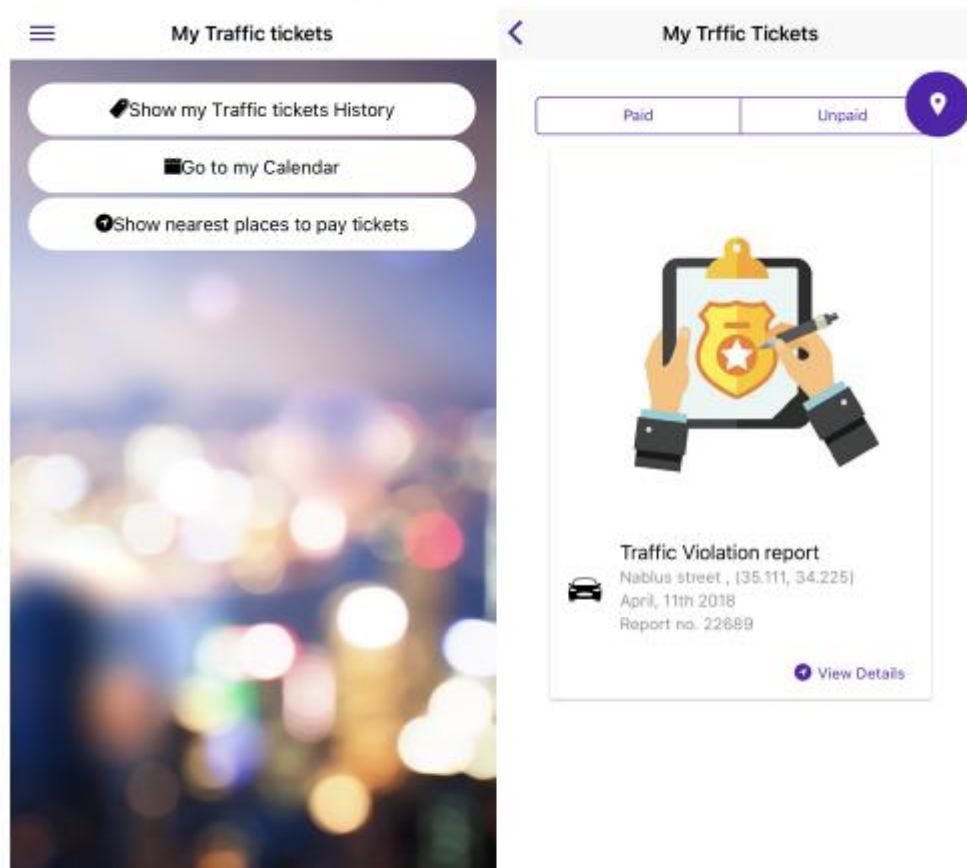


Figure 7.7: Drivers Ticket page

- In addition, you could report any traffic activity near you either by filling its information manually or by taking some photos of the traffic accident or violation, also you could submit your current location:

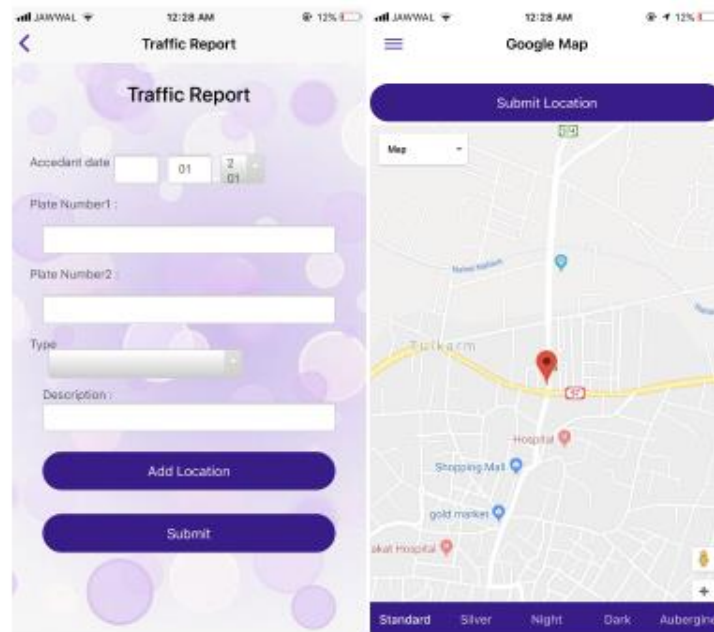


Figure 7.10: Drivers reporting pages

## Guest pages

If you choose to continue as a guest then you could see the following:

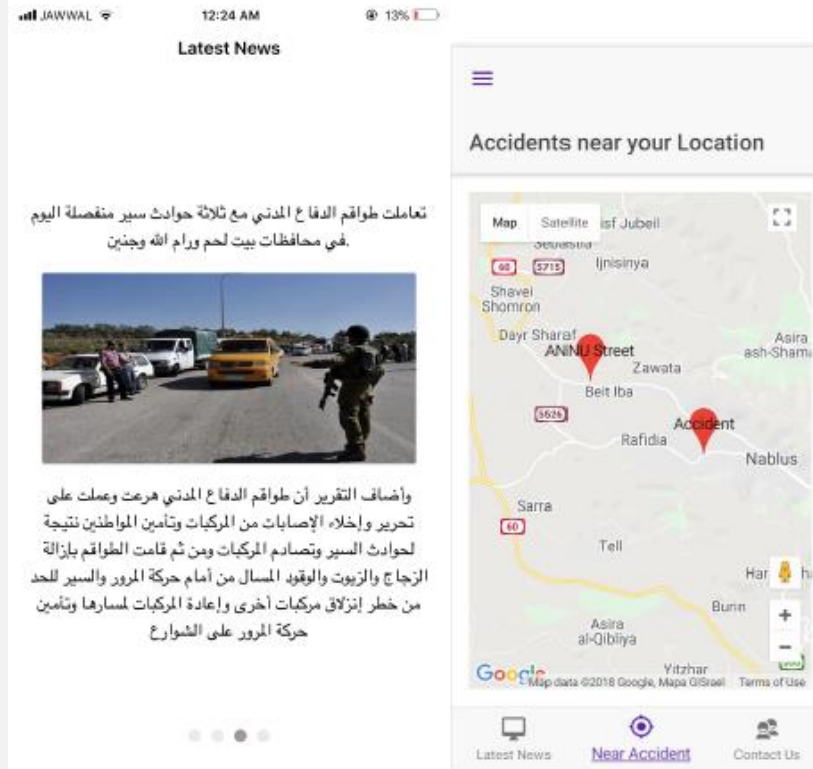


Figure 7.2: Guest Screens

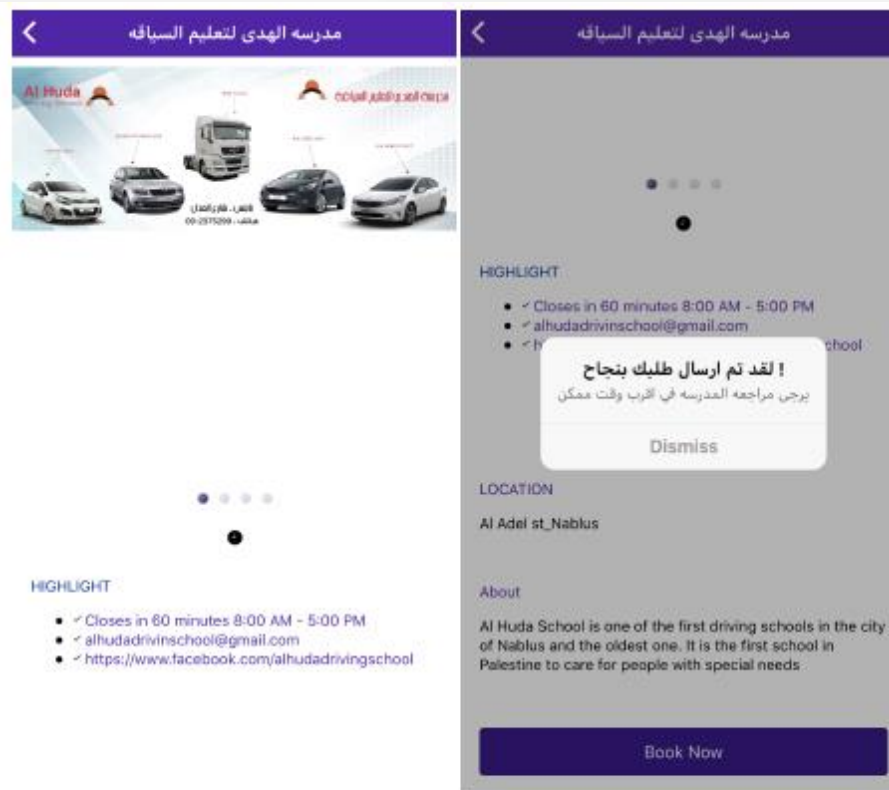


Figure 7.19: School information

- Once you're registered with a school, a chatting system will be activated between trainee and trainer:

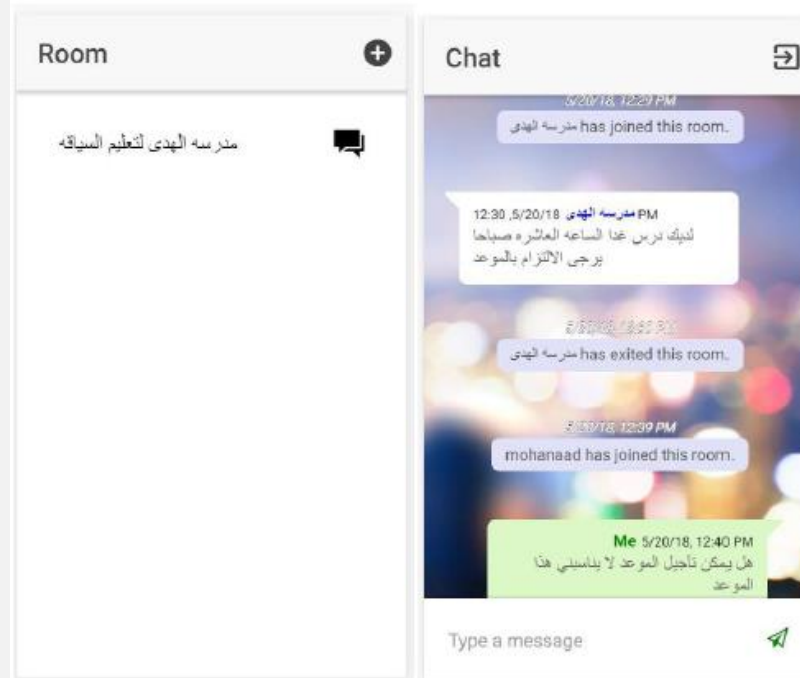


Figure 7.20: Chatting system



- Practice your traffic knowledge through trying some practical tests, after you get ready for the theoretical official test, you could submit a request of your required information and since it's booked it will be shown on your calendar.

## امتحان السياقة النظري (التؤوريا)

قم باختيار النموذج الذي تريد إجابته ... وبعد الإنتهاء من الإجابة عن جميع الأسئلة ... اضغط "أجب عن الأسئلة"

السابق 1 2 3 4 5 ... 22 23 التالي

### 1. تعني الشاخصة 1 - 14:



- ☐ ممنوع الاستدارة إلى اليمين.
- ☐ خط وقوف على سطح الطريق.
- ☐ مفترق طرق إلى اليمين.
- ☐ ملتقى طرق إلى اليسار.

### 2. ما معنى الشاخصة 1 - 36؟



- ☐ مكان عبور المارة على بعد 150م تقريباً.
- ☐ سبيل للمشاة فقط.
- ☐ ممنوع دخول المارة.
- ☐ أولاد بالقرب المكان.

### 3. شاخصة ب - 28 تعني:



- ☐ ممنوع دخول المركبات الميكانيكية.
- ☐ ممنوع الوقوف والتوقف إلا لتنفيذ امر قانوني.
- ☐ مدخل ساحة خاصة.
- ☐ ممنوع إيقاف المركبات في الجهة التي اقيمت فيها الشاخصة.

### 4. الشاخصة ب - 8 تعني:



- ☐ جميع الإجابات صحيحة.
- ☐ يجوز تجاوز مركبة ميكانيكية تسير على عجلتين.
- ☐ يجوز تجاوز مركبة غير ميكانيكية تسير على أكثر من عجلتين.
- ☐ ممنوع تحاقق مركبة آلية تسد على أكثر من

Building...

27. رمل على سطح الطريق , بسبب :

- ☐ لا تأثير للرمل على سير المركبة
- ☐ احتكاك قليل بين الإطارات والطريق مما يؤدي إلى الزحلفة
- ☐ زيادة الاحتكاك بين الكاونتشوك والطريق
- ☐ رمل أو أوساخ تساعد على توقف المركبة حالا

28. يجب التمهّل عند الاقتراب من باص واقف في محطة وقوف :

- ☐ فقط إذا كان الباص بارزاً خارج المحطة
- ☐ فقط إذا كان الباص في المحطة
- ☐ فقط إذا كان الباص في المحطة
- ☐ في جميع الحالات

29. إذا ...

هذه معني :

- ☐ إننا نستعمل أضواء الوقوف
- ☐ إننا نستعمل الضوء الواصل
- ☐ إننا نستعمل ماسحات الزجاج الامامي
- ☐ إننا نستعمل الضوء العالي

30. في طريق بلدية ممنوع استعمال الزّامور :

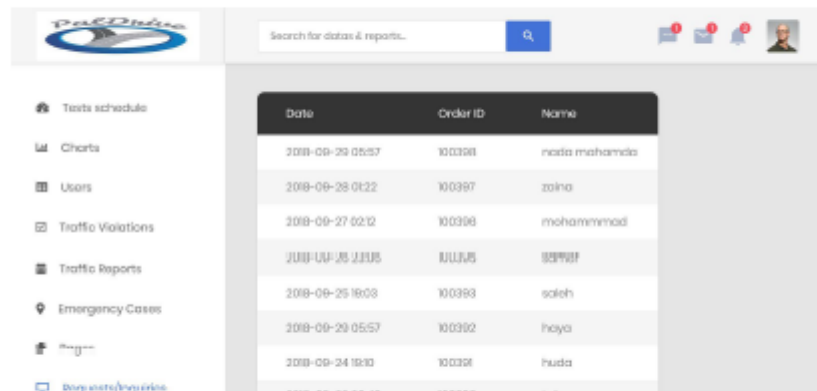
- ☐ فقط عندما تمر جنب حيوانات
- ☐ فقط بالقرب من المستشفيات
- ☐ في كل الأحوال ما عدا في حالة خطر لا يمكن منعه بطريقة أخرى
- ☐ > فقط إذا كانت هناك إشارة سير< ممنوع الزّامور

أجب عن الأسئلة

Figure 7.15: Training tests

### Employees Administrator Panel

Administrators are grouped into sub-categories, each employee with his job, administrator have a global view of every feature of the application:



Date	Order ID	Name
2018-09-29 05:57	100398	nadia mohamed
2018-09-28 01:22	100397	zoha
2018-09-27 02:02	100396	mohammad
2018-09-26 22:05	100395	ahmed
2018-09-25 16:03	100393	saleh
2018-09-29 05:57	100392	haya
2018-09-24 19:30	100391	huda

Figure 7.28: Administrator main page

– You could also view them on the calendar:

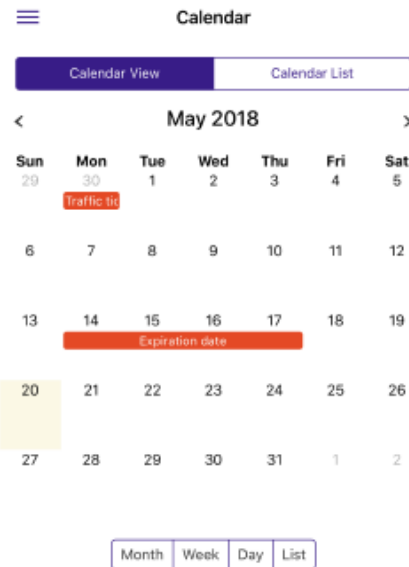


Figure 7.9: Drivers tickets on calendar

# Technologies and implementations:



TypeScript



## *Constraints:*

- Time
- Max connection in firebase is 50.
- Google Map , Limited places in Palestine

### *Future work:*

The planned future work is to improve this application more and to carry it out in a wide range of the Transportation world, Insurance companies, Schools or even Vehicle mechanics.

Since Our project targets a very huge segment of people so, we would like to add additional hardware part to the project like a smart watch which could be used for tracking

in order to make the experience more efficient and faster.

We would also be very pleased if we co-operate with traffic applications like Waze in order to integrate its traffic data like jam, accidents, harm reports in order to increase the efficiency of our application in order to decrease the rate of traffic accidents occurrence in Palestine. Finally, as for the training (educational) system we look forward to make the theoretical part more dynamic such as integrating question auto-generation tools according to the stage of knowledge of the trainee.

thank  
you