

- **Kiosk for picking time slot for G, G2 drive test:
(Continue from assignment 3, make sure it is working correctly)**

- In this application you will simulate some of the actions that you perform in Drive test center. But here you have greater flexibility to pick the time of your choice. You will also develop an extension of this application by adding few other user interfaces to perform different actions. Mainly entire application consists of following parts:
- 1. Driver Interface (a person who wants to take G2/G license)
- 2. Examiner Interface (a person who takes driver's exam)
- 3. Admin (a person who adds schedules and other stuff in the portal)

Assignment 4: Appointment Creation and Appointment selection

- In this assignment, we will add one more userType = "Admin" and allow him to create drive test appointment slots, later Drivers can pick one of the slot and book drive test appointment.
- **Day 1: (Week 10): [Day when assignment was released]: Mark 1**
 - Add new view to the application – appointment (No need to anything right now)
 - For now, this page is also protected using user authentication, but it is only accessible UserType = "Admin" (**Ref: Book page: 95**)
 - For this you need to add one more navigation option once user login.
 - **If user is login and UserType = "Driver", they see G2_page, G_page navigation option**
 - **If user is login and UserType = "Admin", they see only Appointment option**
 - **Also modify authMiddleware so that one applies to Driver type, and another applies to Admin type (Page ref: 97, 98). You may choose to add two middleware.**
- **Day 2: (Week 11): Mark 1**
 - Create appointment View
 - From the appointment page Admin can add appointment slots only
 - Ie for One date there are many appointment slots can be offered (9:00 am – 2:00 pm), ie appointment times can be 9:00, 9:30, 10:00.....
 - Simply try to create prototype first,
 - You can save the data in Appointment collection, you can save each appointment slot separately ({date: <your date>, time: <time slot>}), it doesn't matter how you save time, best thing is saved as string ("9:00")
 - You need to add new data Model => Appointment
 - Ie [
 {date: <01-01-2022>, time: "9:00"},
 {date: <01-01-2022>, time: "9:30"}
]

- To achieve this, don't allow admin to enter time manually, simply display time as button or some other way
- **Day 3: (Week 12) Entire Assignment due [Mark 10]**
- From the Appointment view Admin is creating appointment slots only
- Refine the Appointment page, don't allow Admin to add same time slot for given date
- Once time slot is added, gray out that button so that Admin will not add same time multiple times etc
- Make sure you don't add same time for the same date (avoid duplicate appointment)
- Now modify G2_page so when user visit this page, they can see the available time slots for current date
- For this you can add calendar to pick the Date on G2_page
- Once the date is selected, display the appointment slots added by Admin
- To make this work, please add few dates and time from Appointment Add view (as an admin user)
- User can pick the appointment time from G2_page and book an appointment
- You need to modify the User Collection to store the Appointment ID, this way you can establish link between User and Appointment collection
- Also, you need to update the Appointment record and add some flag to verify that time slot is available for booking or not ie isTimeSlotAvailable = false
- Ie You Appointment Model would look like this:


```

      {
          Date: <your date>,
          Time: <your time>,
          isTimeSlotAvailable: <true/false>
      }
      
```
- Now if isTimeSlotAvailable is false you don't show them on G2_page, It means that time slot is already booked
- **Summary: In this assignment, you allow the admin user to enter appointment time slot, later display those time slots on Driver's view and driver can select those and book appointment time slot.**