

جامعة جدة
University of Jeddah

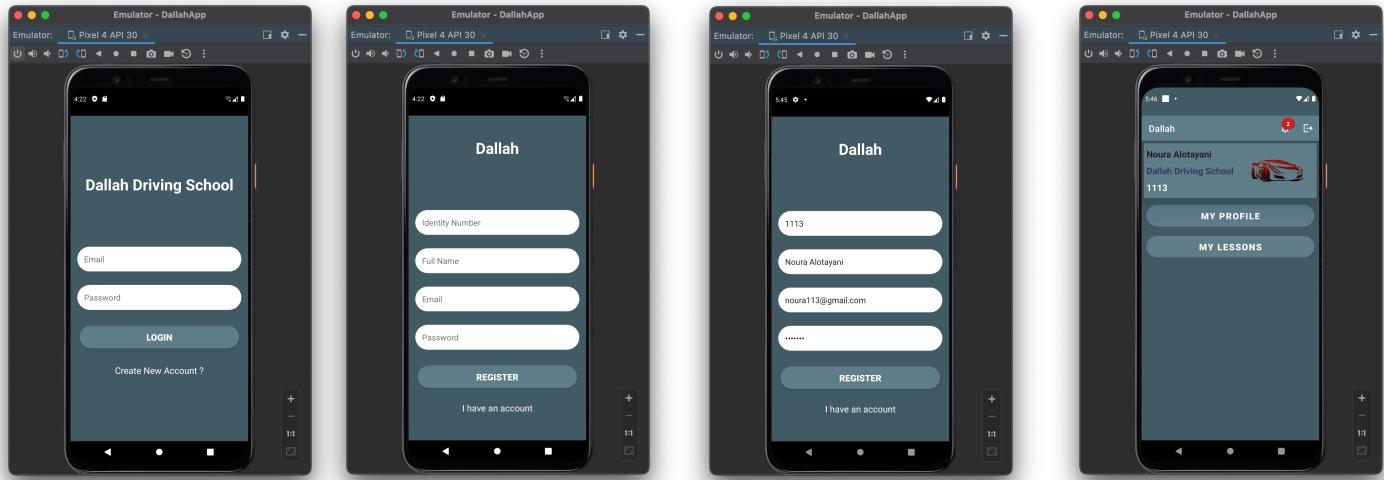
Ministry of Education
University of Jeddah
College of Computer Science and Engineering

CCSW 431 Mobile Programming

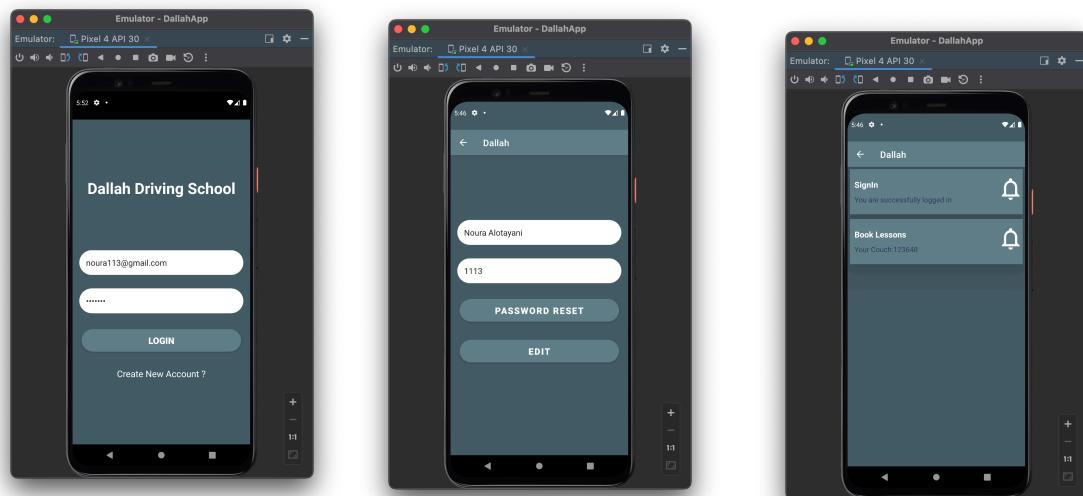
| Student Name | ID |
|-----------------|---------|
| Noura Alotayani | 2116485 |
| Rahaf Alghamdi | 2114675 |

Sprint1:Foundational Functionality

1-User Registration and Account Creation



2-User Login and Authentication

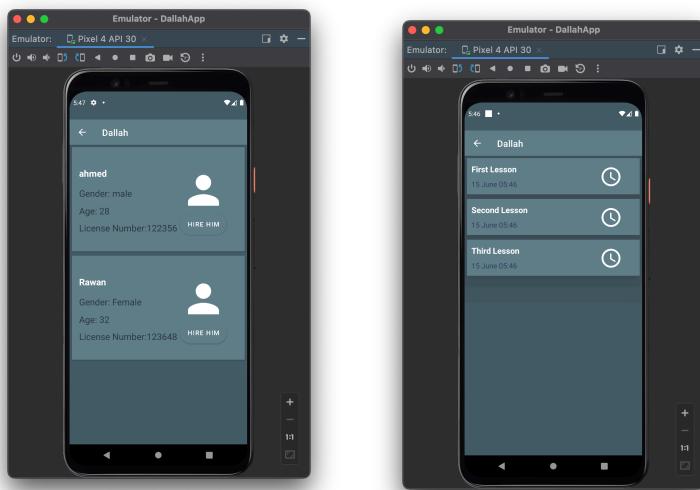


Test case

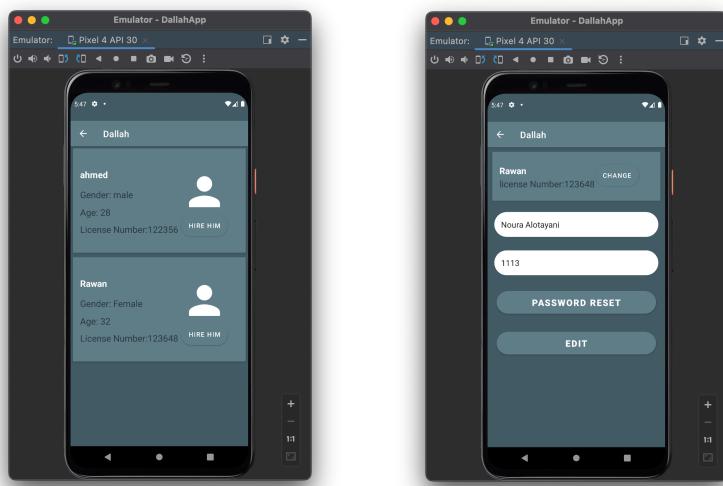
| Test Case No. | Test Case Description | Expected Results | Outcome (Pass / Fail / Other (Comments)) |
|----------------------|---|---|---|
| TC001 | User Registration and Account Creation | User should be able to access the registration page. | Pass |
| TC002 | User Registration and Account Creation | User should be able to enter their details such as, identity number, email, and password. | Pass |
| TC003 | User Registration and Account Creation. | User should receive a confirmation message upon successful registration. | Pass |
| TC004 | User Registration and Account Creation | User's account should be created and stored in the database. | Pass |
| TC005 | User Login and Authentication | User should be able to access the login page. | Pass |
| TC006 | User Login and Authentication | User should be able to enter their credentials (email and identity number, password). | Pass |
| TC007 | User Login and Authentication | User's credentials should be validated against the stored data in the database. | Pass |
| TC008 | User Login and Authentication | Upon successful authentication, the user account dashboard should be displayed. | Pass |
| TC009 | User Login and Authentication | If the user enters incorrect credentials, an error message should be displayed. | Pass |
| TC010 | User Login and Authentication | The user should receive a notification confirming their successful login | Pass |

Sprint 2: Core Booking and Coach Selection

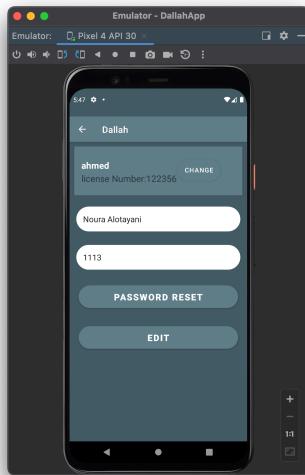
1-Online Booking of Driving Lessons



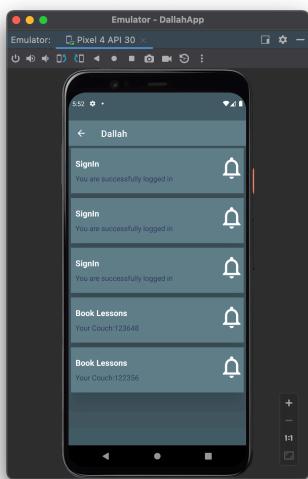
2-Coach Profile View and Selection



3- Coach Change Request



4- Activities notification

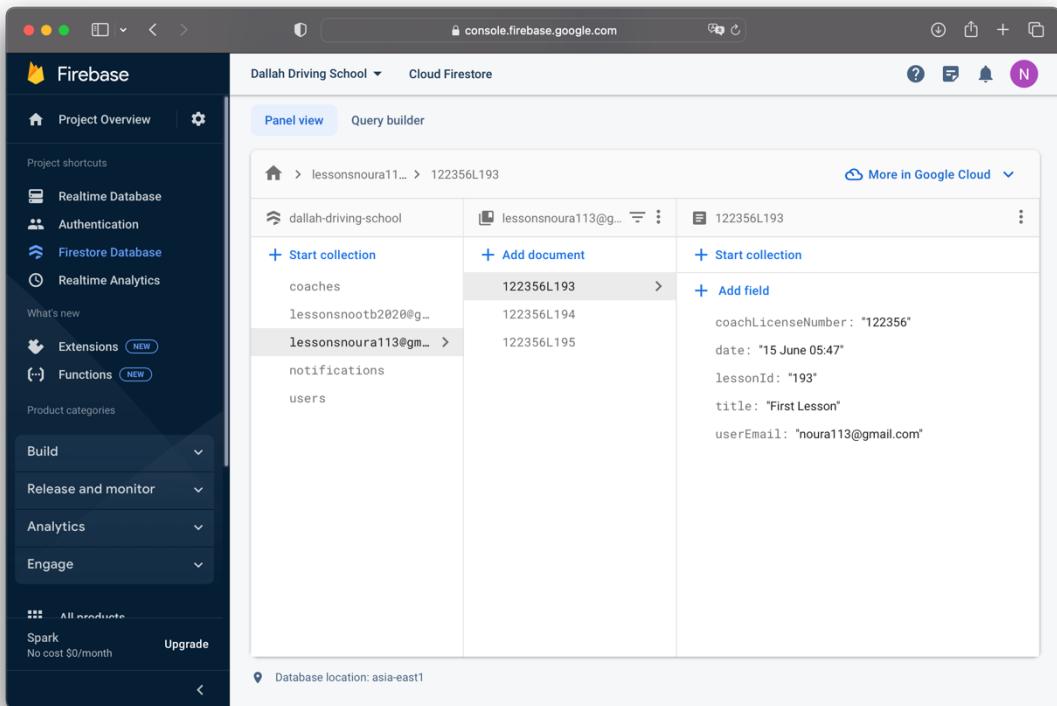


Test case

| Test Case No. | Test Case Description | Expected Results | Outcome (Pass / Fail / Other (Comments)) |
|----------------------|-----------------------------------|---|---|
| TC001 | Online Booking of Driving Lessons | User should be able to access the booking page. | Pass |
| TC002 | Online Booking of Driving Lessons | User should be able to select a date and time for the driving lesson. | Pass |
| TC003 | Online Booking of Driving Lessons | User should be able to choose the desired duration of the lesson. | Pass |
| TC004 | Online Booking of Driving Lessons | User should receive a confirmation message upon successful booking. | Pass |
| TC005 | Online Booking of Driving Lessons | The booked lesson should be added to the user's schedule. | Pass |
| TC006 | Coach Profile View and Selection | User should be able to view the profiles of available driving coaches. | Pass |
| TC007 | Coach Profile View and Selection | Coach profiles should include relevant information such as their experience, qualifications, and ratings. | Pass |
| TC008 | Coach Profile View and Selection | User should be able to select a preferred coach for their driving lessons. | Pass |
| TC010 | Coach Profile View and Selection | User should receive a confirmation message upon successful coach selection. | Pass |
| TC011 | Coach Profile View and Selection | The selected coach should be assigned to the user's upcoming driving lessons. | Pass |
| TC012 | Coach Profile View and Selection | User should be able to view the profiles of available driving coaches. | Pass |

| | | | |
|-------|----------------------|---|------|
| TC013 | Coach Change Request | User should have the option to request a coach change for their upcoming driving lessons. | Pass |
| TC014 | Coach Change Request | User should receive a notification regarding the status of their coach change request. | Pass |

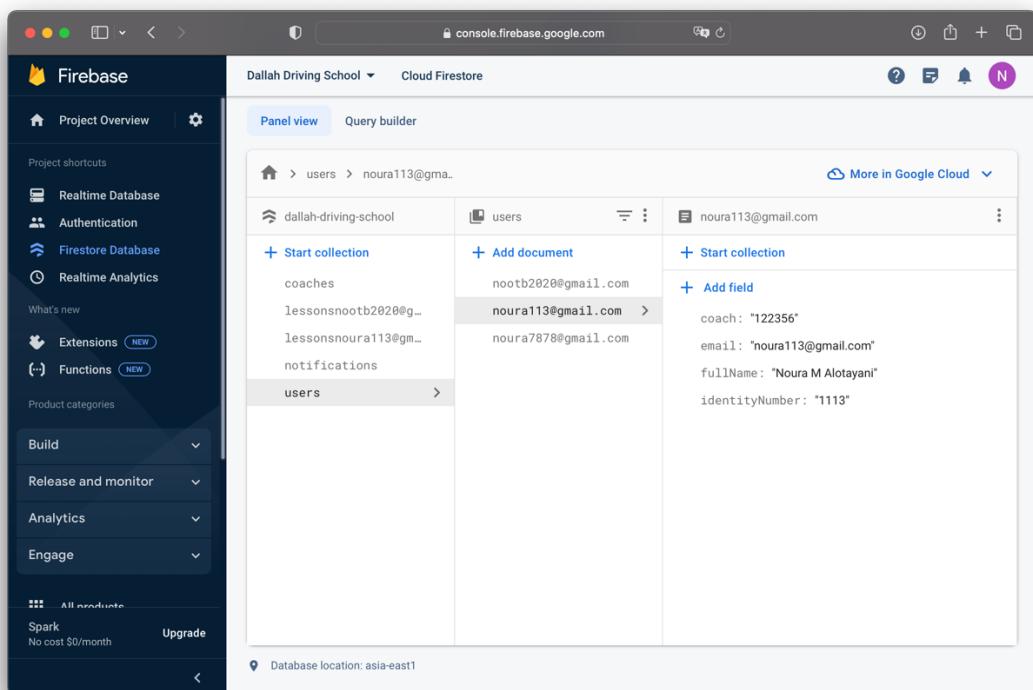
Databases



The screenshot shows the Firebase Cloud Firestore interface for the 'Dallah Driving School' project. The left sidebar includes links for Project Overview, Realtime Database, Authentication, Firestore Database, and Realtime Analytics. The main area displays the 'Cloud Firestore' section with a 'Panel view' tab selected. The path 'lessonsnoura113... > 122356L193' is shown. The document details are as follows:

| dallah-driving-school | lessonsnoura113@g... | 122356L193 |
|-----------------------|----------------------|---------------------------------|
| + Start collection | + Add document | + Start collection |
| coaches | 122356L193 | + Add field |
| lessonsnootb2020@g... | 122356L194 | coachLicenseNumber: "122356" |
| lessonsnoura113@gm... | 122356L195 | date: "15 June 05:47" |
| notifications | | lessonId: "193" |
| users | | title: "First Lesson" |
| | | userEmail: "noura113@gmail.com" |

Database location: asia-east1



The screenshot shows the Firebase Cloud Firestore interface for the 'Dallah Driving School' project. The left sidebar includes links for Project Overview, Realtime Database, Authentication, Firestore Database, and Realtime Analytics. The main area displays the 'Cloud Firestore' section with a 'Panel view' tab selected. The path 'users > noura113@gmail.com' is shown. The document details are as follows:

| dallah-driving-school | users | noura113@gmail.com |
|-----------------------|---------------------|-------------------------------|
| + Start collection | + Add document | + Start collection |
| coaches | nootb2020@gmail.com | + Add field |
| lessonsnootb2020@g... | noura113@gmail.com | coach: "122356" |
| lessonsnoura113@gm... | noura7878@gmail.com | email: "noura113@gmail.com" |
| notifications | | fullName: "Noura M Alotayani" |
| users | | identityNumber: "1113" |

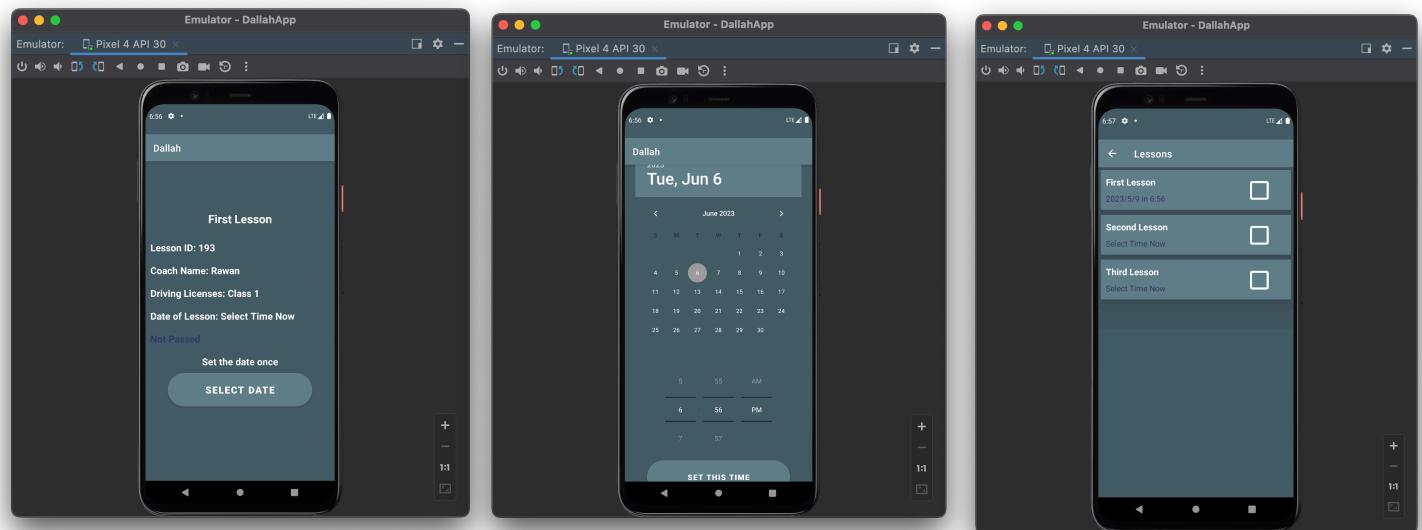
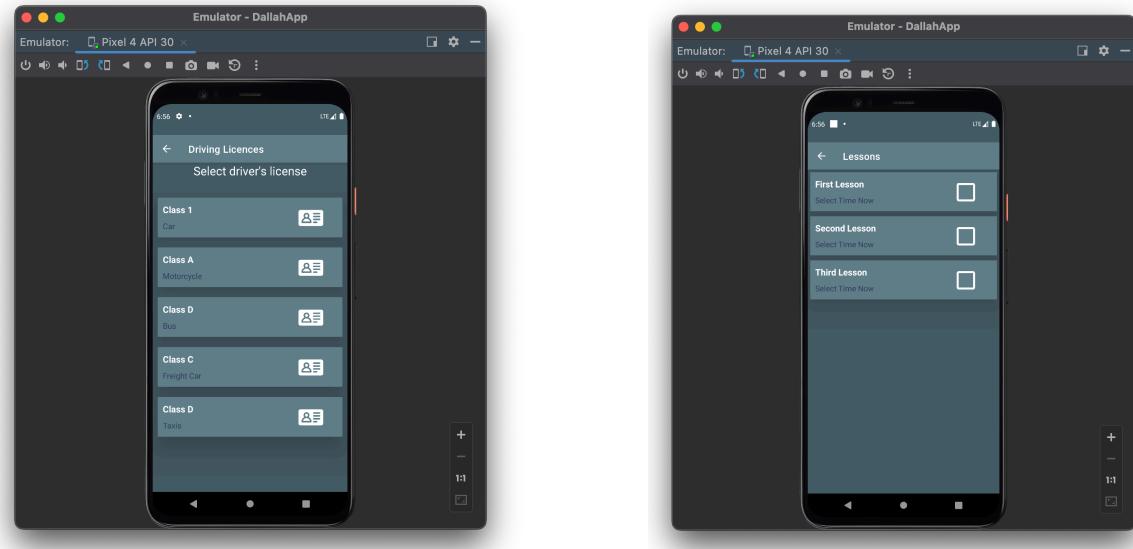
Database location: asia-east1

The screenshot shows the Firebase Cloud Firestore interface for the 'Dallah Driving School' project. The left sidebar includes links for Project Overview, Realtime Database, Authentication, Firestore Database, and Realtime Analytics. The main area displays the 'Cloud Firestore' section with tabs for Data, Rules, Indexes, Usage, and Extensions. The Data tab is selected, showing a hierarchical view of collections: 'dallah-driving-school' > 'notifications' > 'JD8trP3Q2gHlzXKh4c9T'. This document contains fields: message: "You are successfully logged in", title: "Signin", and userEmail: "noura113@gmail.com". Other documents in the 'notifications' collection include 'LZaiKkr2Mpf23lyVK3Z9', 'QT5Y0fJ1CDg2MTStXfkp', 'QW6bxdfMiagRqCfyIvC4', 'VH47XpMxw8104V5gXj8G', 'bDVb5ZAudX9P7xA0cttM', 'bnnowxm770vMb0r0qFsz', 'fvVqeioPNbKKqnteI9Tk', 'h5hhqohFjpEiQ4Xz5ePG', 'mtyJRxLWsI3AEv1XX0wp', and 'pT43bugfYDiGgvpdJ051'. A 'Panel view' button is visible at the top left.

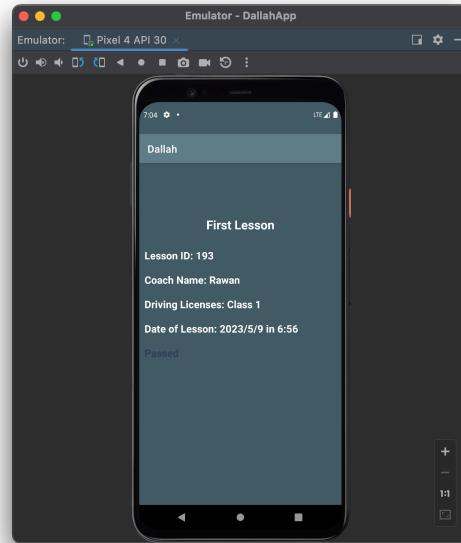
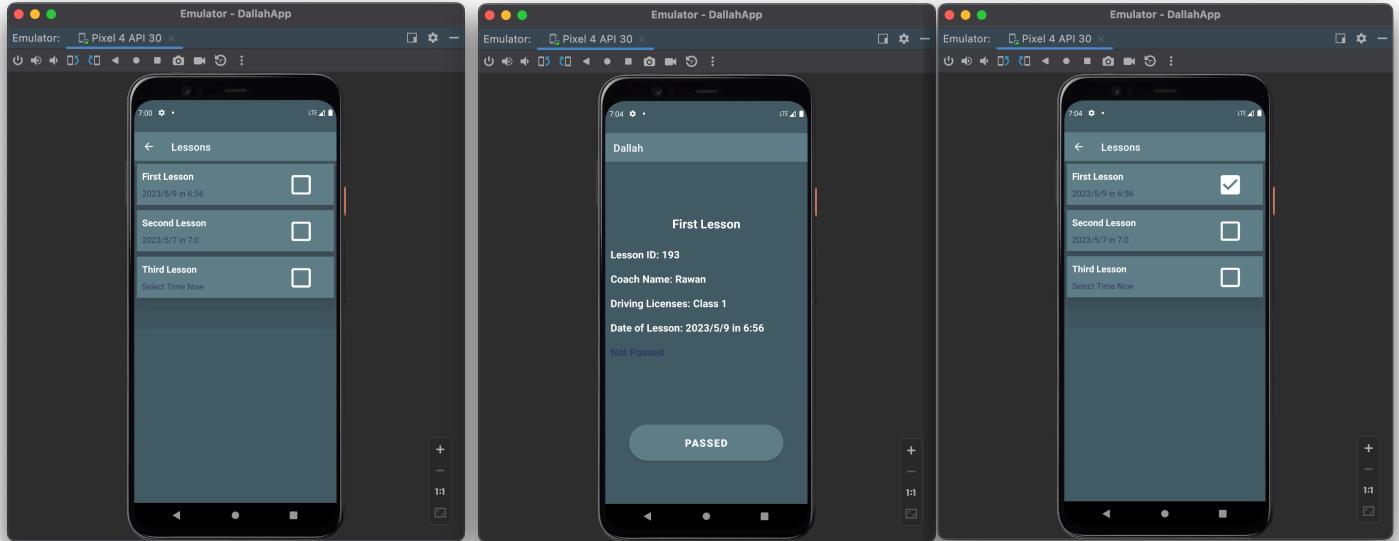
The screenshot shows the Firebase Cloud Firestore interface for the 'Dallah Driving School' project. The left sidebar includes links for Project Overview, Realtime Database, Authentication, Firestore Database, and Realtime Analytics. The main area displays the 'Cloud Firestore' section with tabs for Data, Rules, Indexes, Usage, and Extensions. The Data tab is selected, showing a hierarchical view of collections: 'dallah-driving-school' > 'coaches' > '123648'. This document contains fields: age: "32", gender: "Female", licenseNumber: "123648", and name: "Rawan". Other documents in the 'coaches' collection include '122356' and '123648'. Other collections listed in the sidebar include 'dallah-driving-school', 'notifications', and 'users'.

Sprint 3: Enhancing the Learning Experience

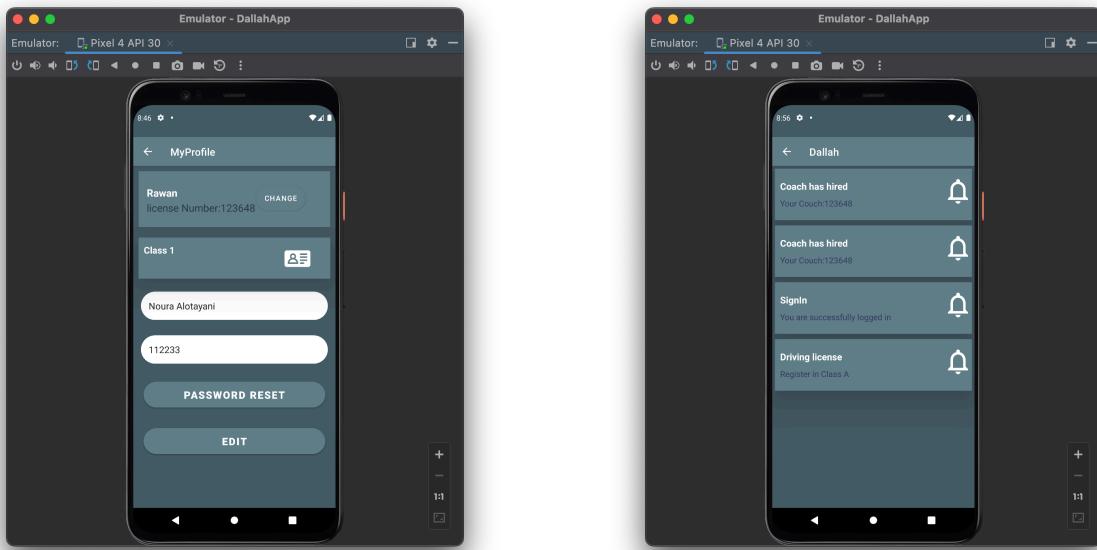
1-Online Booking of Driving Lessons



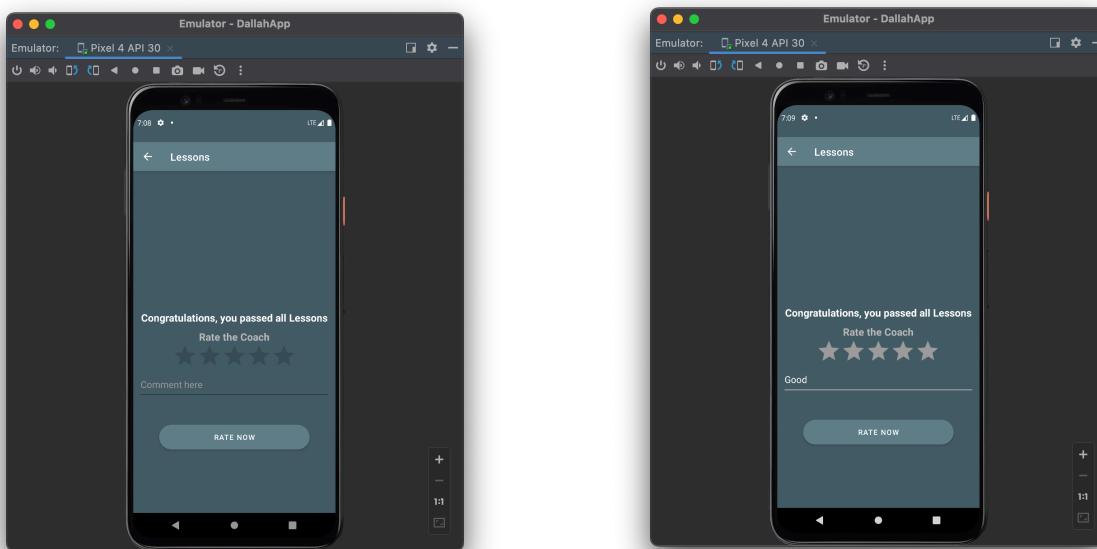
2-Progress Tracking and Completed Lesson View



3-Lesson Reminder Notifications



4-Feedback and Ratings for Coaches



Test case

| Test Case No. | Test Case Description | Expected Results | Outcome (Pass / Fail / Other (Comments)) |
|---------------|---|---|--|
| TC001 | Progress Tacking and Completed Lessons View | The User should be able to Choose the type of license he wants to learn | Pass |
| TC002 | Progress Tacking and Completed Lessons View | The User should be able to determine if the training has been completed | Pass |
| TC003 | Feedback and Ratings for Coach | The User should be able to leave a rating and comment for the trainer | Pass |
| TC004 | Feedback and Ratings for Coach | The User should be able to see the number of ratings for the trainer | Pass |
| TC005 | Online Booking of Driving Lessons | User should be able to access the online booking feature. | Pass |
| TC006 | Online Booking of Driving Lessons | User should be able to select a preferred date and time for the driving lesson. | Pass |
| TC007 | Lesson Reminder Notifications | The user should receive the reminder notification for each scheduled lesson in their account. | Pass |

Database

The screenshot shows the Firebase Cloud Firestore interface for the 'Dallah Driving School' project. The left sidebar lists 'Realtime Database', 'Authentication', 'Firestore Database', and 'Realtime Analytics'. Under 'Firestore Database', 'Cloud Firestore' is selected. The main panel shows the 'Data' tab for the 'users' collection. A document for 'noura77@gmail.com' is selected, displaying its fields: coach: '123648', drivingLicenseId: 'class1', email: 'noura77@gmail.com', fullName: 'Noura Alotayani', and identityNumber: '112233'.

The screenshot shows the Firebase Cloud Firestore interface for the 'Dallah Driving School' project. The left sidebar lists 'Realtime Database', 'Authentication', 'Firestore Database', and 'Realtime Analytics'. Under 'Firestore Database', 'Cloud Firestore' is selected. The main panel shows the 'Data' tab for the 'notifications' collection. A document for '6Xtou4k3NfTatwrk5bX0' is selected, displaying its fields: message: 'Your Coach has hired', title: 'Coach has hired', and userEmail: 'noura77@gmail.com'.

The screenshot shows the Firebase Cloud Firestore interface for the 'Dallah Driving School' project. The left sidebar lists 'Realtime Database', 'Authentication', 'Firestore Database', and 'Realtime Analytics'. Under 'Firestore Database', 'Cloud Firestore' is selected. The main panel shows the 'Data' tab for the 'drivingLicenses' collection. A document for 'class1' is selected, displaying its fields: class_a, class_b, class_c, and class_d. The class_d field contains sub-fields: description: 'Car', id: 'class1', and title: 'Class 1'.