

UC 1: Register

| Precondition: The user does not have a registered account in the UTA Car Rental System | |
|---|--|
| Actor: User (Admin/Renter/Rental Manager) | System |
| | 0. System displays Login page. FIG 1 |
| 1. TUCBW the user selects “Register” function on Login Page. | 2. System displays Registration form on Registration page. FIG 2 |
| 3. The user fills the form and clicks on Create Account button. | 4. System displays Register successful message; and user is redirected back to Login page. FIG 3 |
| 5. TUCEW the user gets the access and can view their function list (home screen). | |
| Postcondition: A new account for Admin/Renter/Rental Manager is created in the system. | |

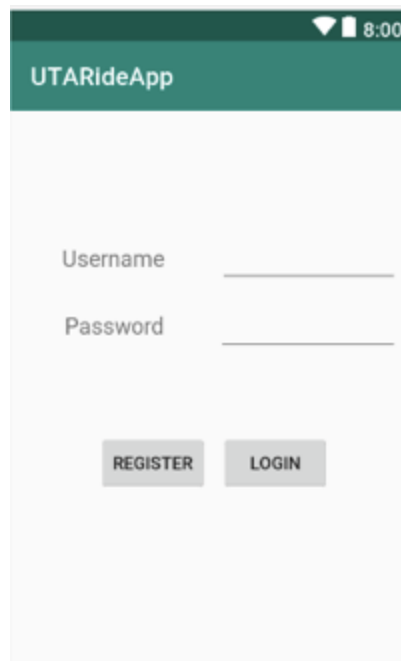


FIG 1



FIG 2

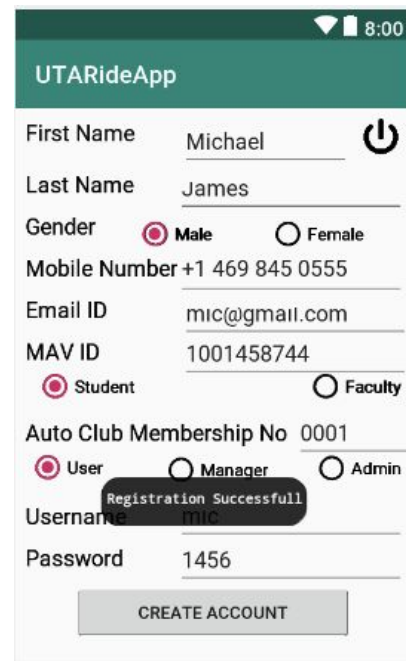


FIG 3

UC 2: Login

| Precondition: The User has a registered account in the UTA Car Rental System | |
|--|--|
| Actor: User (Admin/Renter/Rental Manager) | System |
| | 0. System displays the Login page. FIG 1 |
| 1. TUCBW the user enters the username and password and selects “Login” function. | 2. The system displays different home screens in different scenarios. (i) Admin will see Admin home screen. FIG 4 (ii) Rental Manager will see Rental Manager home screen. FIG 5 (iii) Renter will be shown Renter home screen. FIG 6 |
| 3. TUCEW the user gains access into the system. The user sees their functions list (home screen). | |
| Postcondition: The system generates list of functions according to the user role. | |

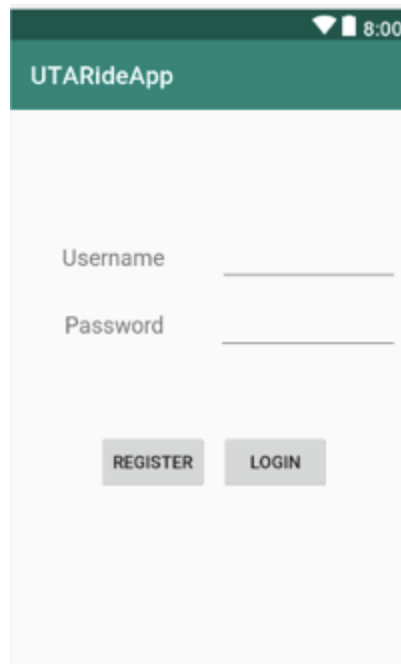


FIG 1

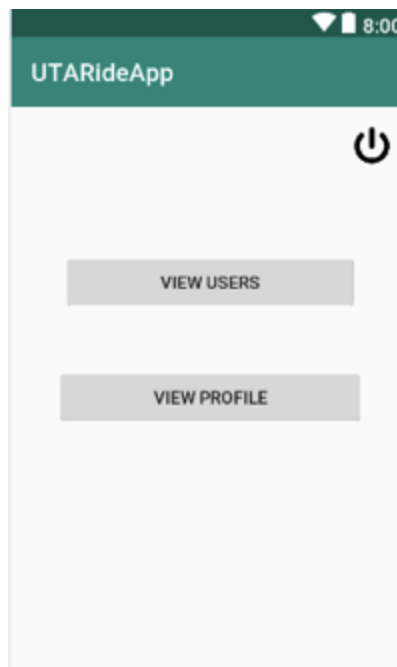


FIG 4

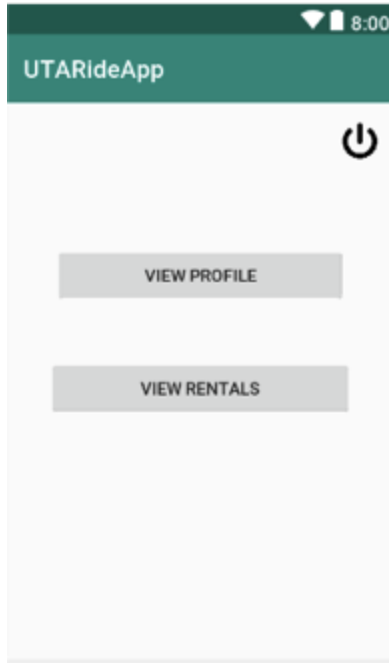


FIG 5

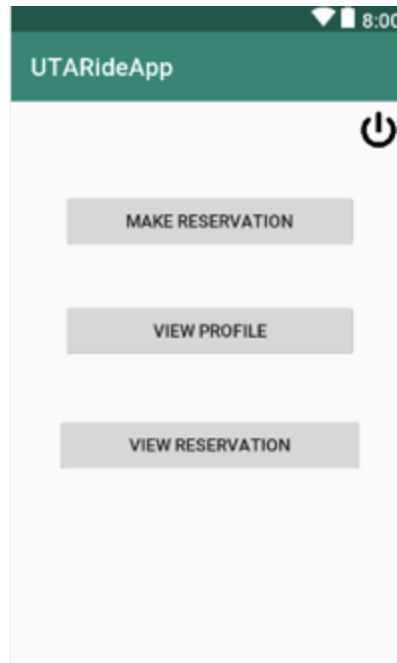


FIG 6

UC 3: Logout

| | |
|--|--|
| Precondition: The user is logged into the UTA Car Rental System | |
| Actor: Admin/Renter/Rental Manager | System |
| | 0. System displays any page of UTA Car Rental System |
| 1. TUCBW the user selects “Logout” function on the displayed page. | 2. System displays logout successful message; and displays Login page. FIG 7 |
| 3. TUCEW the user sees Login page. | |
| Postcondition: The system logs out the user from user account and the user has no access to their functions list. | |

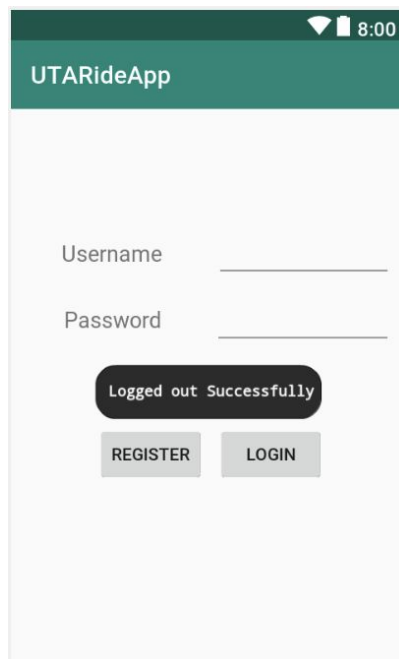


FIG 7

UC 4: View Profile

| | |
|---|---|
| Precondition: The user has logged into the system and is seeing their home screen. | |
| Actor: Admin/Renter/Rental Manager | System |
| | 0. System displays user home screen. FIG 4/FIG 5/FIG 6 |
| 1. TUCBW the user selects “View Profile” function on home screen. | 2. System displays editable user profile on Profile page. FIG 8 |
| 3. TUCEW the user sees Profile page. | |
| Postcondition: The system saves the user profile. | |

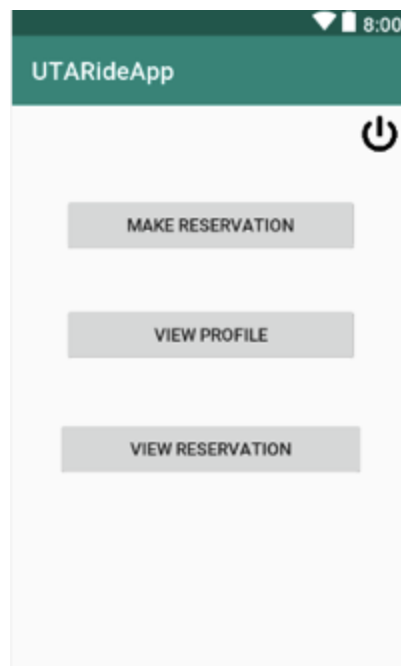


FIG 6

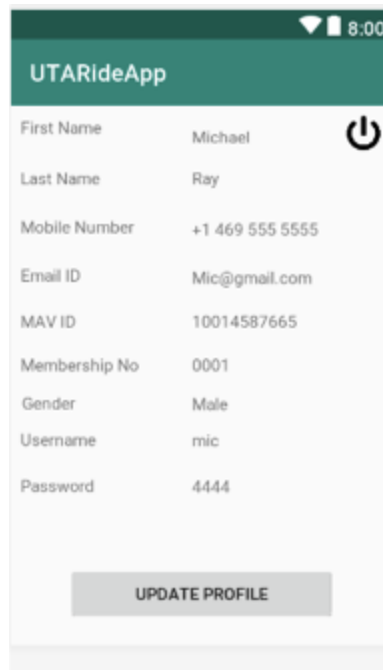
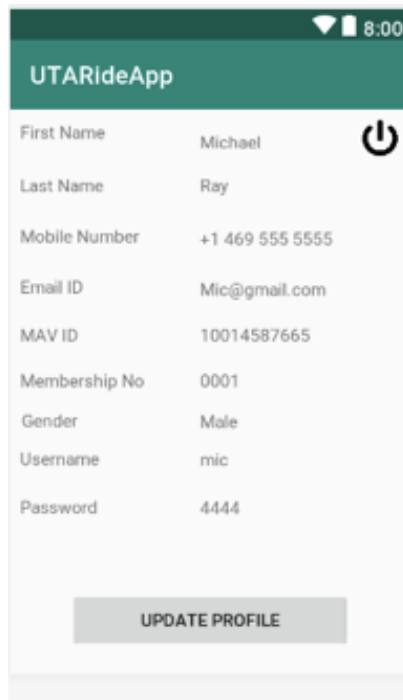


FIG 8

UC 5: Update Profile

| | |
|--|--|
| Precondition: The user has logged into the system and is seeing profile page. | |
| Actor: Admin/Renter/Rental Manager | System |
| | 0. System displays Profile page. FIG 8 |
| 1. TUCBW the user edits profile attribute values and selects “Update Profile” function on Profile page. | 2. System displays message confirming successful profile update; and updates user profile with new values. FIG 9 |
| 3. TUCEW the user sees successfully updated profile on Profile page. | |
| Postcondition: The system updates values for profile attributes of the user profile. | |



UTARideApp

First Name Michael

Last Name Ray

Mobile Number +1 469 555 5555

Email ID Mic@gmail.com

MAV ID 10014587665

Membership No 0001

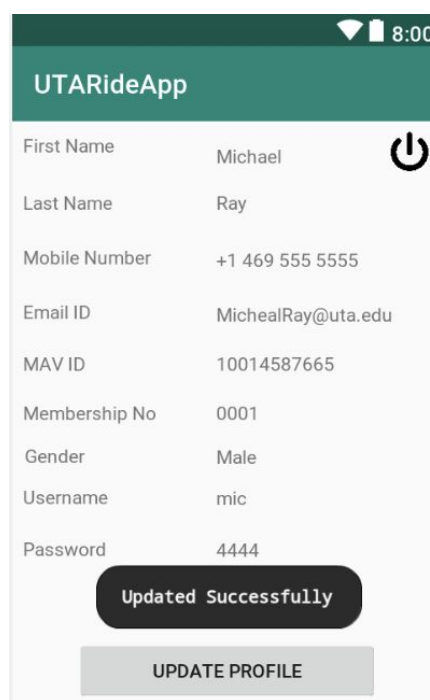
Gender Male

Username mic

Password 4444

UPDATE PROFILE

FIG 8



UTARideApp

First Name Michael

Last Name Ray

Mobile Number +1 469 555 5555

Email ID MichealRay@uta.edu

MAV ID 10014587665

Membership No 0001

Gender Male

Username mic

Password 4444

Updated Successfully

UPDATE PROFILE

FIG 9

UC 6: Make Reservation

| Precondition: The renter has logged into the system and is seeing home screen. | |
|---|---|
| Actor: Renter | System |
| | 0. System displays renter home screen. FIG 6 |
| 1. TUCBW the renter selects “Make Reservation” function on renter home screen | 2. System displays search car form on Make Reservation page. FIG 10 |
| 3. TUCEW the renter sees search car form. | |
| Postcondition: The system request booking details from the renter. | |

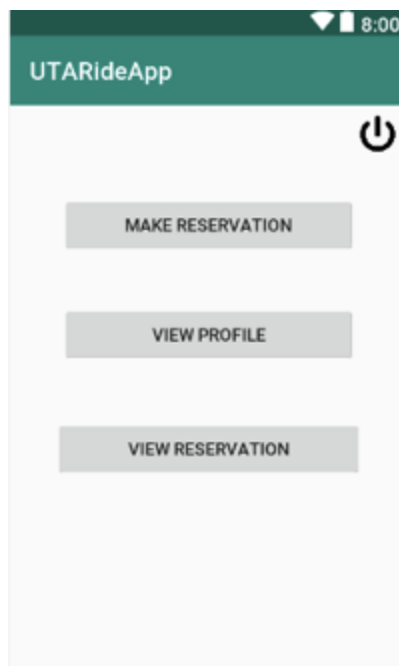


FIG 6

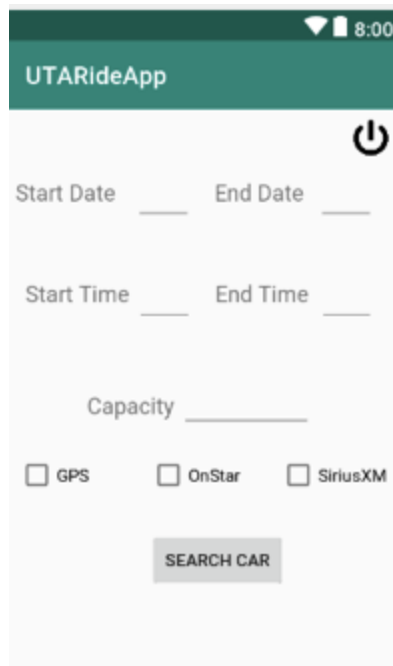



FIG 10

UC 7: Search Car

| Precondition: The renter has entered values for search car form on make reservation page. | |
|---|--|
| Actor: Renter | System |
| | 0. System displays filled search car form on Make Reservation page. FIG 11 |
| 1. TUCBW the renter selects “Search Car” function. | 2. System generates result and displays list of available car names on Car Result page. FIG 12 |
| 3. TUCEW the renter sees the generated list and selects a car name from the list on Car Result page. | |
| Postcondition: The system provides renter access to view amount of all available cars. | |

The screenshot shows the 'UTARideApp' interface with a search car form. At the top, there's a green header with the app name and a power icon. Below the header, the form includes fields for 'Start Date' (3/2/18), 'End Date' (3/2/18), 'Start Time' (8 am), and 'End Time' (8 pm). There's a 'Capacity' field with the value '4'. At the bottom, there are three checkboxes for 'GPS', 'OnStar', and 'SiriusXM'. A 'SEARCH CAR' button is located at the bottom center.

UTARideApp

Start Date 3/2/18 End Date 3/2/18

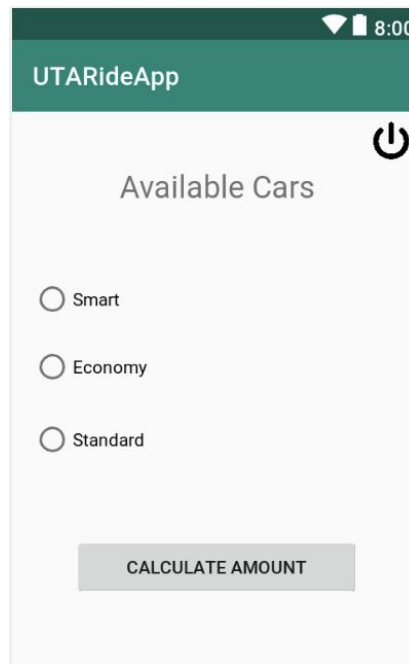
Start Time 8 am End Time 8 pm

Capacity 4

☐ GPS ☐ OnStar ☐ SiriusXM

SEARCH CAR

FIG 11

The screenshot shows the 'UTARideApp' interface with the 'Available Cars' page. At the top, there's a green header with the app name and a power icon. Below the header, the page is titled 'Available Cars'. There are three radio button options: 'Smart', 'Economy', and 'Standard'. A 'CALCULATE AMOUNT' button is located at the bottom center.

UTARideApp

Available Cars

☐ Smart

☐ Economy

☐ Standard

CALCULATE AMOUNT

FIG 12

UC 8: Calculate Amount

| Precondition: The renter has selected a car name on car result page. | |
|--|---|
| Actor: Renter | System |
| | 0. System displays selected car name in the list of car names on Car Result page. FIG 13 |
| 1. TUCBW the renter selects “Calculate Amount” function on Car Result page. | 2. System generates result and displays final amount for the selected car (including tax, utilities and member discount) on Amount page. FIG 14 |
| 3. TUCEW the renter sees final amount on Amount page. | |
| Postcondition: The system provides renter the access to confirm rental | |

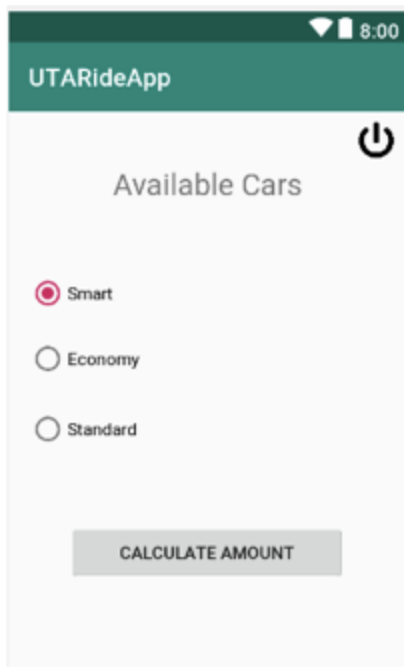


FIG 13

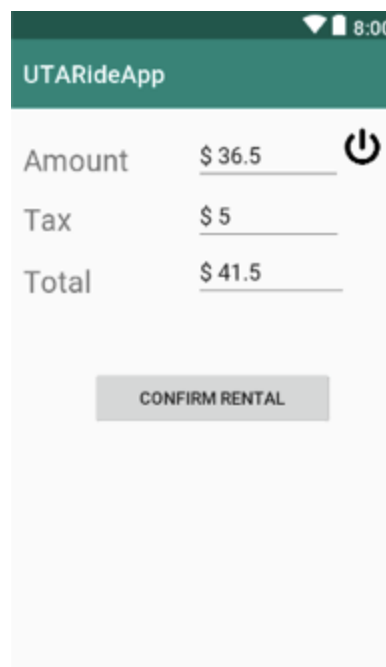


FIG 14

UC 9: Confirm Rental

| Precondition: The renter is seeing final amount on amount page. | |
|--|---|
| Actor: Renter | System |
| | 0. System displays final amount on Amount page. FIG 14 |
| 1. TUCBW the renter selects “Confirm Rental” function on Amount page. | 2. System displays message confirming successful rental booking; and adds the reservation in the reservation list. FIG 15 |
| 3. The renter sees prompt message on Amount page. | 4. System opens Reservation List page. FIG 16 |
| 5. TUCEW the renter sees the added reservation in the reservations list on Reservation List page. | |
| Postcondition: The system saves the new reservation in the reservation list. | |

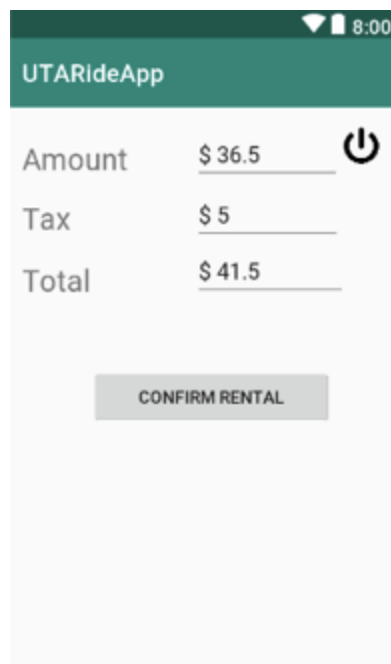


FIG 14

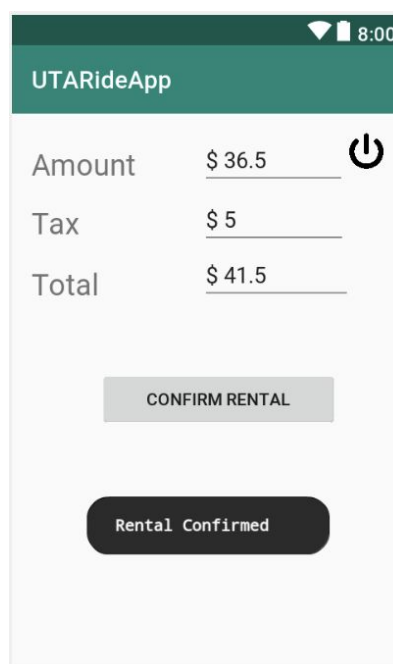


FIG 15

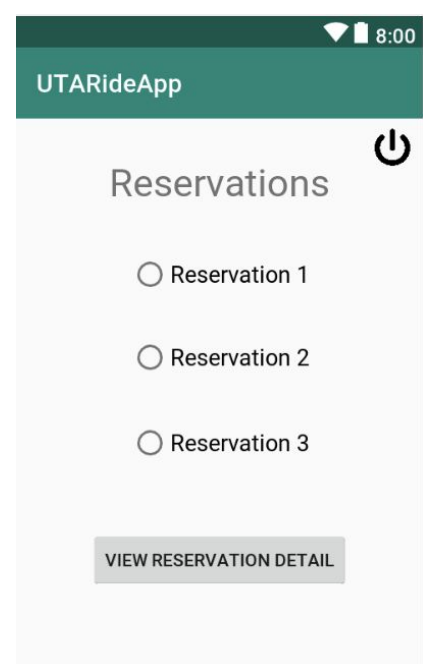


FIG 16

UC 10: View Reservations

| Precondition: The renter has logged into system and is seeing their home screen. | |
|--|---|
| Actor: Renter | System |
| | 0. System displays renter home screen. FIG 6 |
| 1. TUCBW the renter selects “View Reservations” on home screen. | 2. System displays list of all upcoming reservations on Reservation List page. FIG 16 |
| 3. TUCEW the renter see's list of all upcoming reservations on Reservation List screen. | |
| Postcondition: The system provides access to view detail of all upcoming reservations. | |

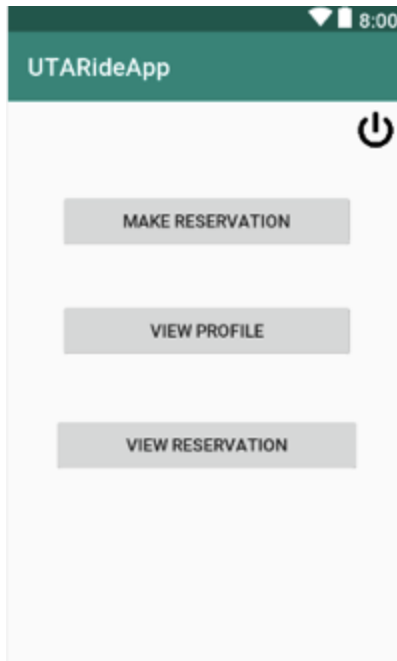


FIG 6

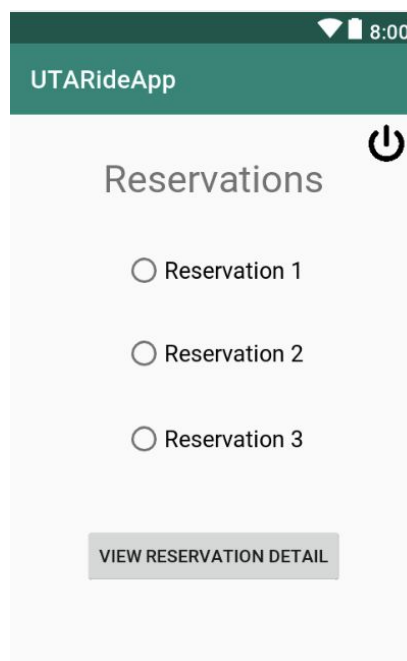


FIG 16

UC 11: View Reservation Detail

| Precondition: The renter has selected a reservation id and is seeing reservations list page. | |
|---|---|
| Actor: Renter | System |
| | 0. System displays selected reservation id in the reservations list on Reservation List page. FIG 17 |
| 1. TUCBW the renter selects “View Reservation Detail” function on Reservation List page. | 2. System displays details of the selected reservation on Reservation Detail page. FIG 18 |
| 3. TUCEW the renter sees reservation details on Reservation Detail page. | |
| Postcondition: The system generates reservation detail for the selected reservation. | |

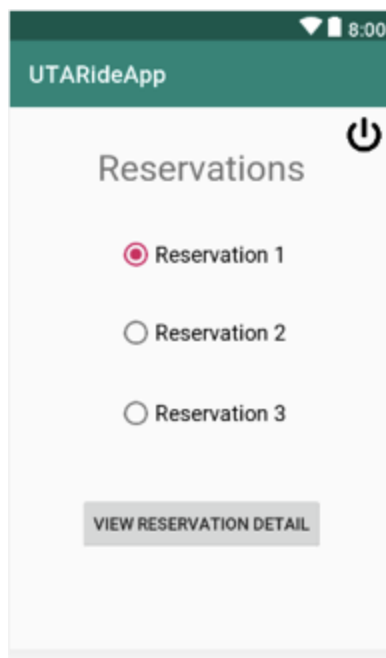


FIG 17

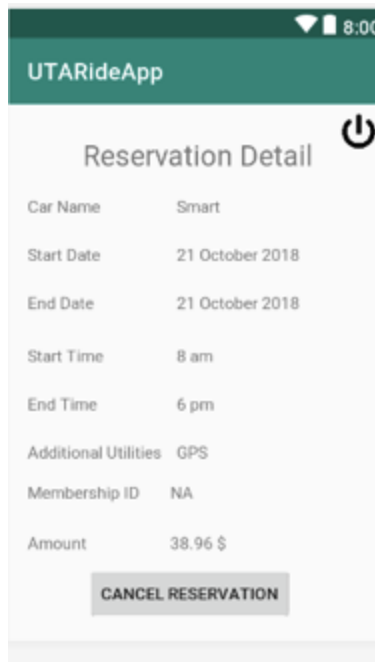


FIG 18

UC 12: Cancel Reservation

Precondition: The renter has selected a reservation id and is seeing reservation detail page.

| Actor: Renter | System |
|--|--|
| | 0. System displays Reservation Detail page. FIG 18 |
| 1. TUCBW the renter selects “Cancel Reservation” function on Reservation Detail page. | 2. System displays message confirming successful cancelation of reservation; deletes the reservation id and updates reservation list. FIG 19 |
| 3. The renter sees prompt message on Reservation Detail screen. | 4. System opens updated Reservation List page. FIG 20 |
| 5. TUCEW the renter sees updated reservations list on Reservation List page. | |
| Postcondition: The system updates reservations list. | |

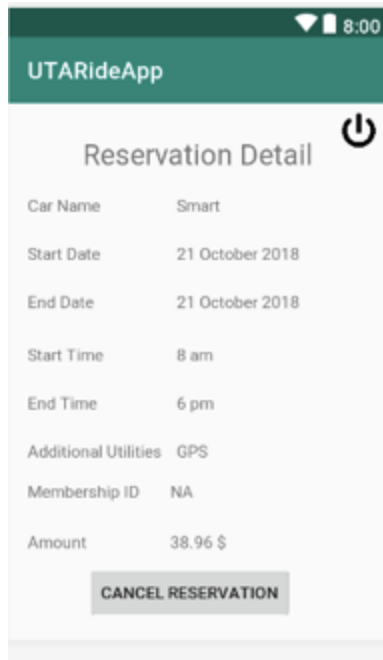


FIG 18

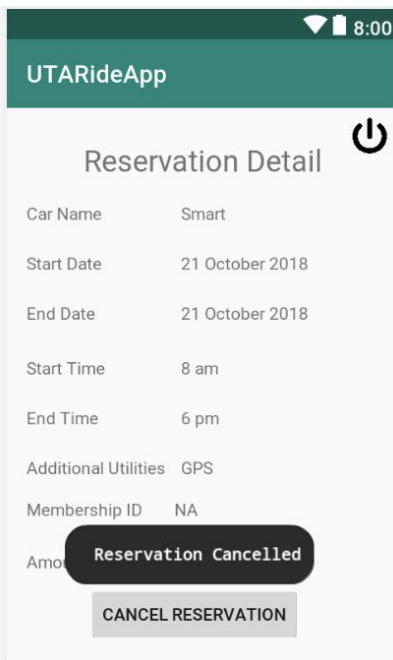


FIG 19

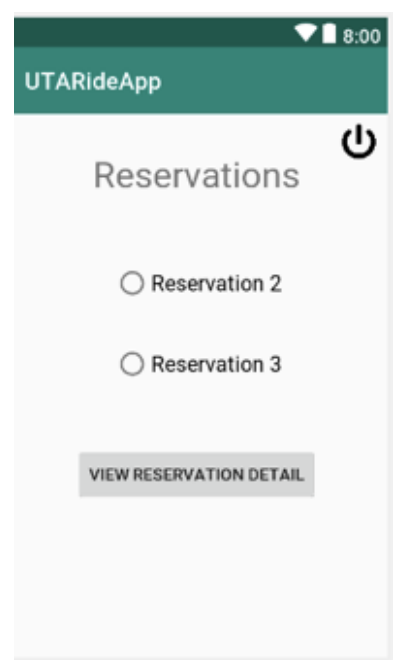


FIG 20

UC 13: View Rentals

| Precondition: The rental manager has logged into system and is seeing their home screen. | |
|--|--|
| Actor: Rental Manager | System |
| | 0. System displays rental manager home screen. FIG 5 |
| 1. TUCBW the rental manager selects “View Rentals” function on home screen. | 2. System displays list of all upcoming rental ids on Rental List page. FIG 21 |
| 3. TUCEW the rental manager sees list of all upcoming rentals on Rental List screen. | |
| Postcondition: The system provides access to rental manager to view detail of all upcoming rentals. | |

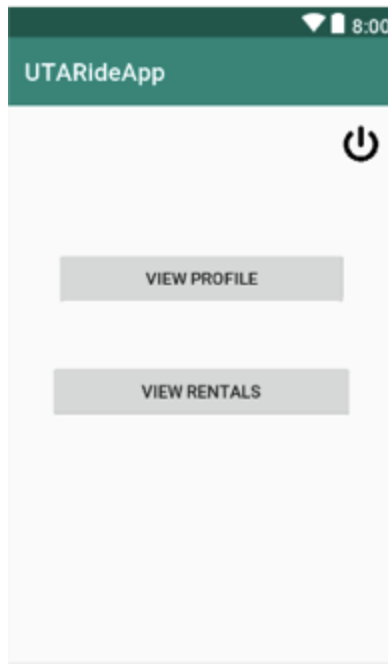


FIG 5

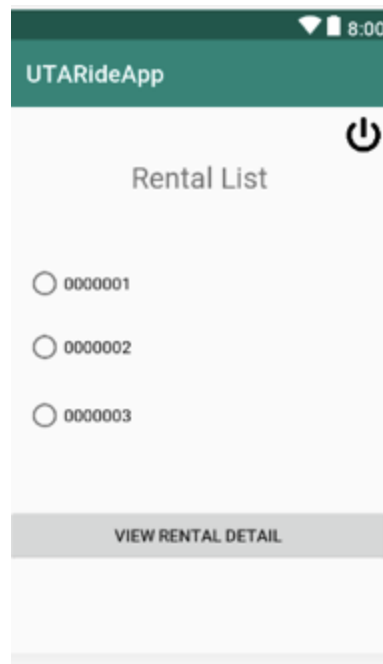


FIG 21

UC 14: View Rental Detail

Precondition: The rental manager has selected a rental car name and is seeing rentals list page.

| Actor: Rental Manager | System |
|---|--|
| | 0. System displays selected rental car name in the rental list on Rental List page. FIG 22 |
| 1. TUCBW the rental manager selects “View Rental Detail” function on Rental List page. | 2. System displays details of the selected rental on Rental Detail page. FIG 23 |
| 3. TUCEW the rental manager sees rental details on Rental Detail page. | |
| Postcondition: The system generates rental detail for the selected rental. | |

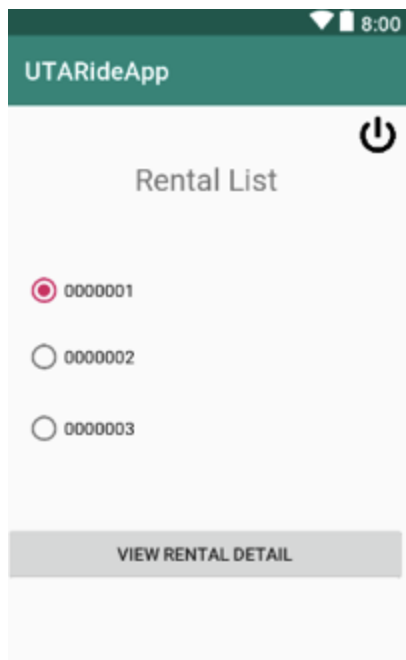


FIG 22

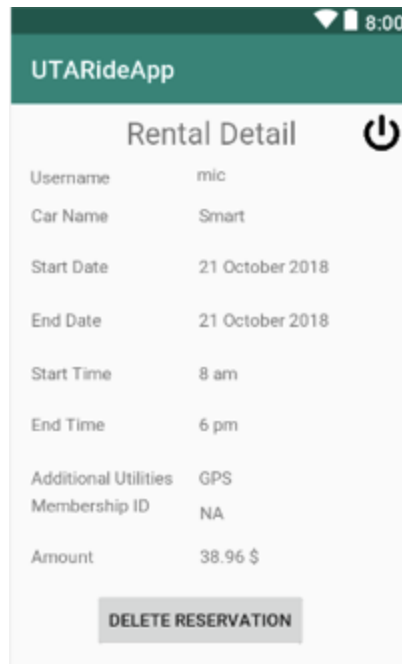


FIG 23

UC 15: Delete Reservation

Precondition: The rental manager has selected a rental car name and is seeing rental detail page.

| Actor: Rental Manager | System |
|---|--|
| | 0. System displays Rental Detail page. FIG 23 |
| 1. TUCBW the rental manager selects “Delete Reservation” function on Rental Detail page. | 2. System displays message confirming successful deletion of reservation; and deletes the rental and updates the rental list. FIG 24 |
| 3. The rental manager sees prompt message on Rental Detail page. | 4. System opens updated Rental List page. FIG 25 |
| 5. TUCEW the rental manager sees updated rentals list on Rental List page. | |
| Postcondition: The system updates the rentals list. | |

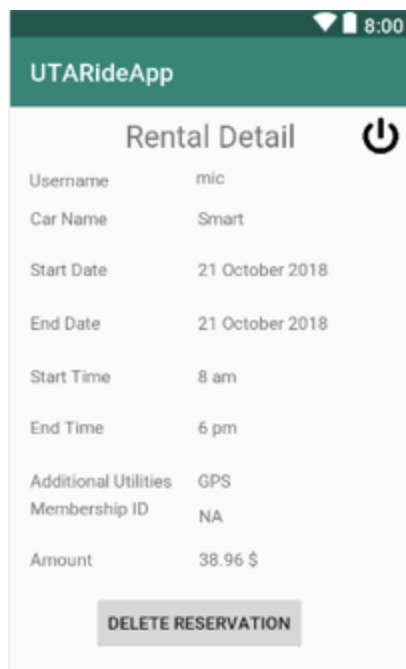


FIG 23

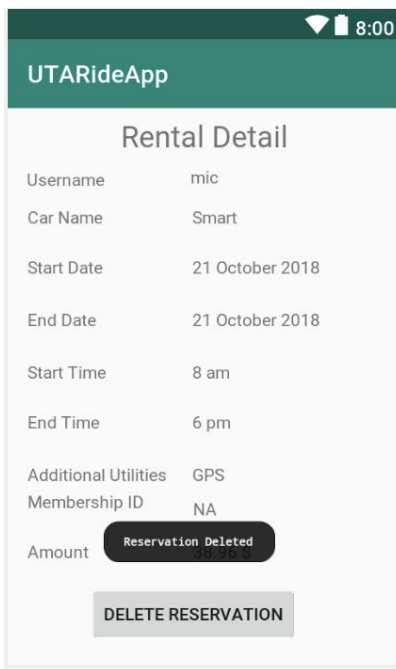


FIG 24

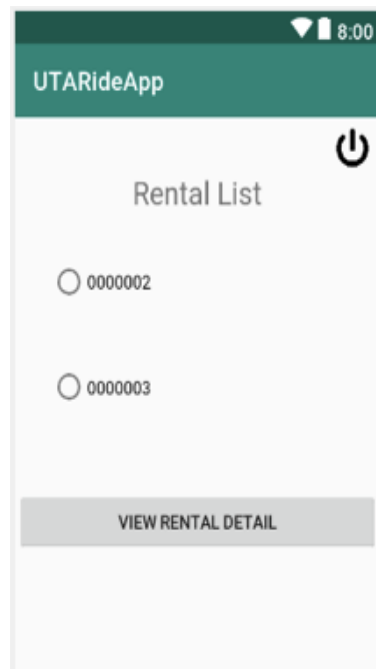


FIG 25

UC 16: View Users

| Precondition: Admin has logged into the system and is seeing home screen. | |
|---|---|
| Actor: Admin | System |
| | 0. System displays admin home screen. FIG 4 |
| 1. TUCBW admin selects “View Users” function on admin home screen. | 2. System displays list of all registered users’ first names on Users List page. FIG 26 |
| 3. TUCEW admin sees list of all registered users and selects a user first name on Users List page. | |
| Postcondition: The system provides access to admin to view detail of all registers users. | |

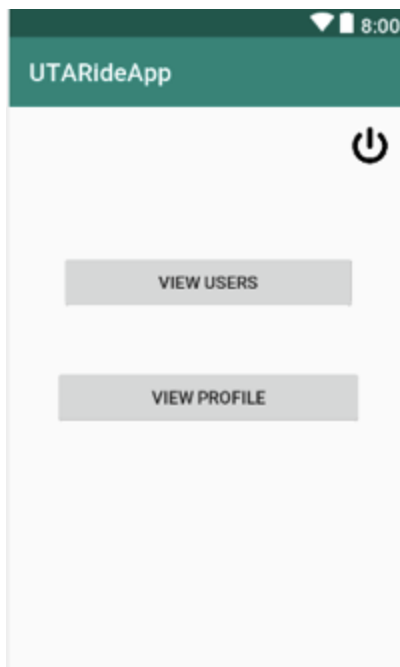


FIG 4

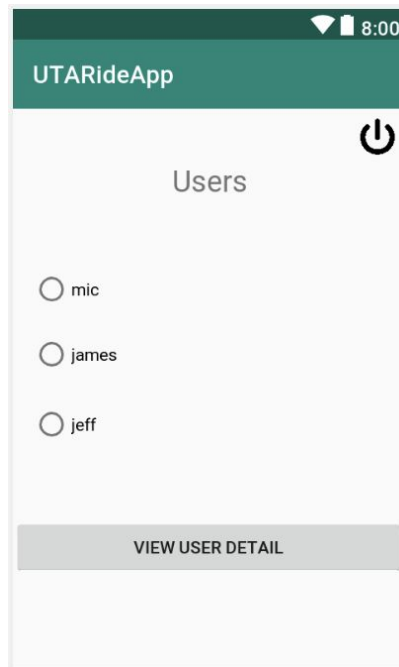


FIG 26

UC 17: View User Detail

| | |
|--|--|
| Precondition: Admin has selected a user first name from the user list and is seeing user list page. | |
| Actor: Admin | System |
| | 0. System displays selected user in the user list on Users List page. FIG 27 |
| 1. TUCBW admin selects “View User Detail” function on Users List page. | 2. System displays profile detail of the selected user on User Detail page. FIG 28 |
| 3. TUCEW admin sees detail of the selected user on User Detail page. | |
| Postcondition: The system generates user details. | |

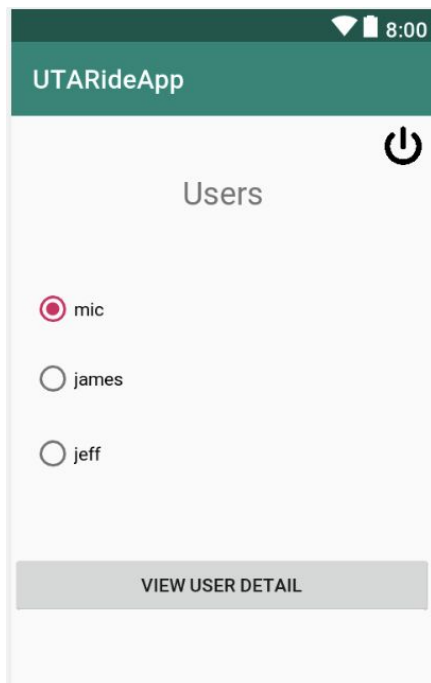


FIG 27

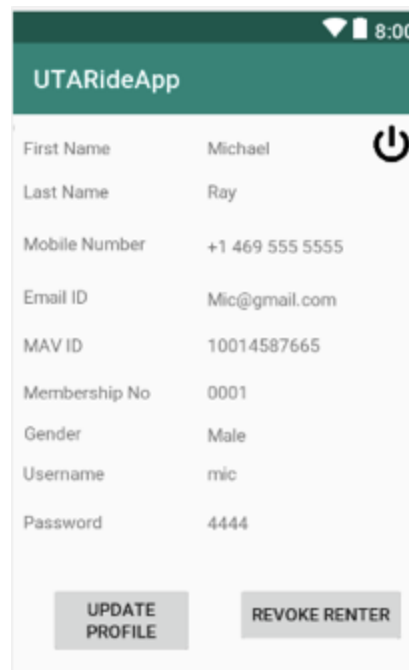
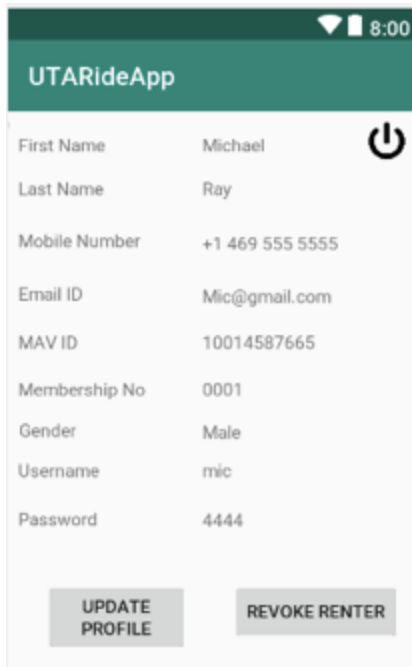


FIG 28

UC 18: Update User Profile

| | |
|---|--|
| Precondition: Admin has selected a user first name from users list and is seeing user detail page. | |
| Actor: Admin | System |
| | 0. System displays user profile on User Detail screen. FIG 28 |
| 1. TUCBW admin edits values of user profile attributes and selects “Update User Profile” function on User Detail screen. | 2. System displays message confirming successful update of user profile; and updates user profile attributes. FIG 29 |
| 3. Admin sees the prompt message on User Detail screen. | 4. System displays updated user profile on User Detail screen. FIG 30 |
| 3. TUCEW admin sees updated user profile on User Detail screen. | |
| Postcondition: The system updates and saves updated user profile. | |



UTARideApp

First Name Michael

Last Name Ray

Mobile Number +1 469 555 5555

Email ID Mic@gmail.com

MAV ID 10014587665

Membership No 0001

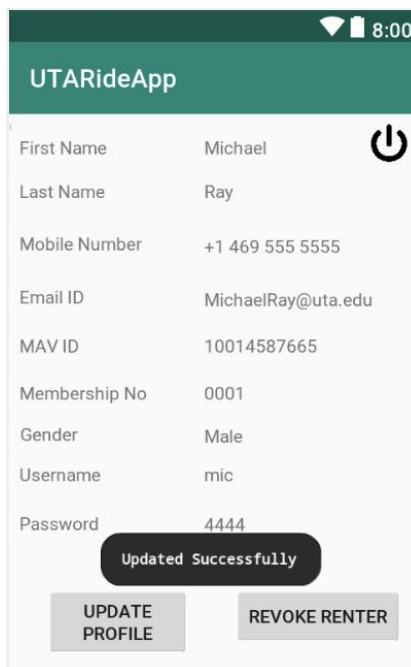
Gender Male

Username mic

Password 4444

UPDATE PROFILE REVOKE RENTER

FIG 28



UTARideApp

First Name Michael

Last Name Ray

Mobile Number +1 469 555 5555

Email ID MichaelRay@uta.edu

MAV ID 10014587665

Membership No 0001

Gender Male

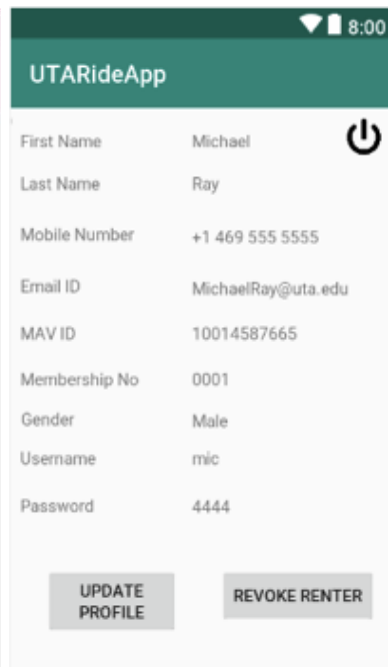
Username mic

Password 4444

Updated Successfully

UPDATE PROFILE REVOKE RENTER

FIG 29



UTARideApp

First Name Michael

Last Name Ray

Mobile Number +1 469 555 5555

Email ID MichaelRay@uta.edu

MAV ID 10014587665

Membership No 0001

Gender Male

Username mic

Password 4444

UPDATE PROFILE REVOKE RENTER

FIG 30

UC 19: Revoke Renter

| | |
|---|--|
| Precondition: Admin has selected a user first name from users list and is seeing user detail page. | |
| Actor: Admin | System |
| | 0. System displays user profile on User Detail screen. FIG 28 |
| 1. TUCBW admin selects “Revoke Renter” function on User Detail screen. | 2. System displays message confirming successful revoking renter and updates renter rights. FIG 31 |
| 3. Admin sees the prompt message on User Detail screen. | 4. System opens Users List page. FIG 26 |
| 5. TUCEW admin sees users list on Users List page. | |
| Postcondition: The system revokes reservation rights of the selected renter. | |

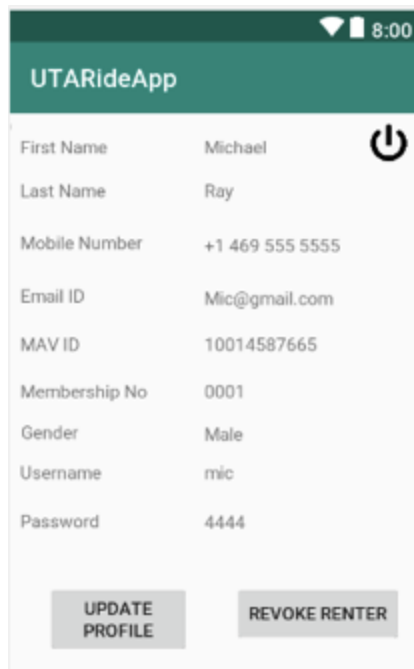


FIG 28

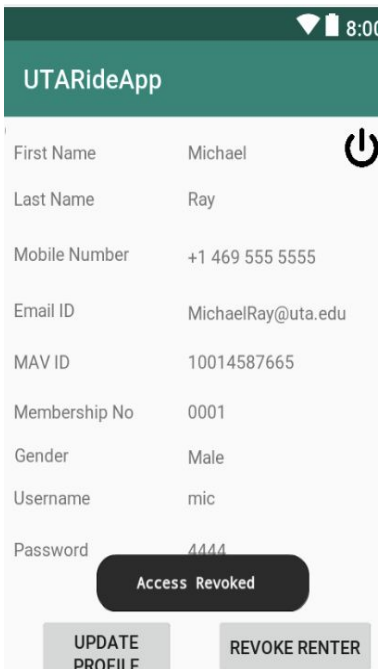


FIG 31

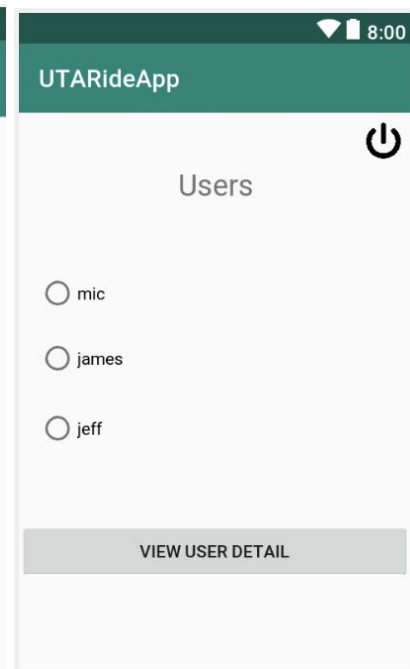


FIG 26