Experiment No 16

Aim: To coeade an app to publication design and application of the state of the sta · Push Notification another Pitton doug Puch notifications are a communication channel jused by mobile applications to interact @ coith ousers on so sous basis se These notifications are sent by the server to the mobile device and appear in the notification beri providing years with timely L'and relavant information of sittle Puch notification isserve de a far imposito enage lucers even when the app is not nactively coloniuses souloni salamona GNAR J GOTUMBS achoration -1229 stages - Components of Push Notifications: Derver sorrest beharing the dense => The server is responsible for sending push notifications to intended devices. It holds the logic to determine when and what notifications should be sent - Servers often ase cloud bervices such as Firehase Cloud Messaging (FCM) or Google Cloud Messyging (GCM), to send push notifications.



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The handles the reception and display of push notifications.

The handles the reception and display of push notifications. The app may also include logic to determine . It ele believ loor somen ad notification is breceived , such as opening a specific de screent or performing despiration action 13) HPuch = Notification a service of not pratique This is a platform's specific servicenthal facilitates the delivery of notifications from the serves to the mobile device. Examples include Femiliandroid rand Apple Push Notification service (APNO) These devices ensure that notifications reach the intended devices efficiently. enibose vid aldisnogram si ravas ant to - Conductions of miles of day day The pargram to create an app to push notifications in andmid-was implement don't house is . (1900) with the 100

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Code:

(activity main.xml)

(MainActivity.java)

```
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

   @Override
   protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity_main);

   Button alertButton = findViewById(R.id.alertButton);
       alertButton.setOnClickListener(new View.OnClickListener() {
```

```
@Override
    public void onClick(View view) {
        showAlert();
    }
});

private void showAlert() {
    AlertDialog.Builder builder = new AlertDialog.Builder(this);
    builder.setTitle("Alert")
        .setMessage("You've received a message!")
        .setPositiveButton("OK", null);

AlertDialog alertDialog = builder.create();
    alertDialog.show();
}
```

Output:

