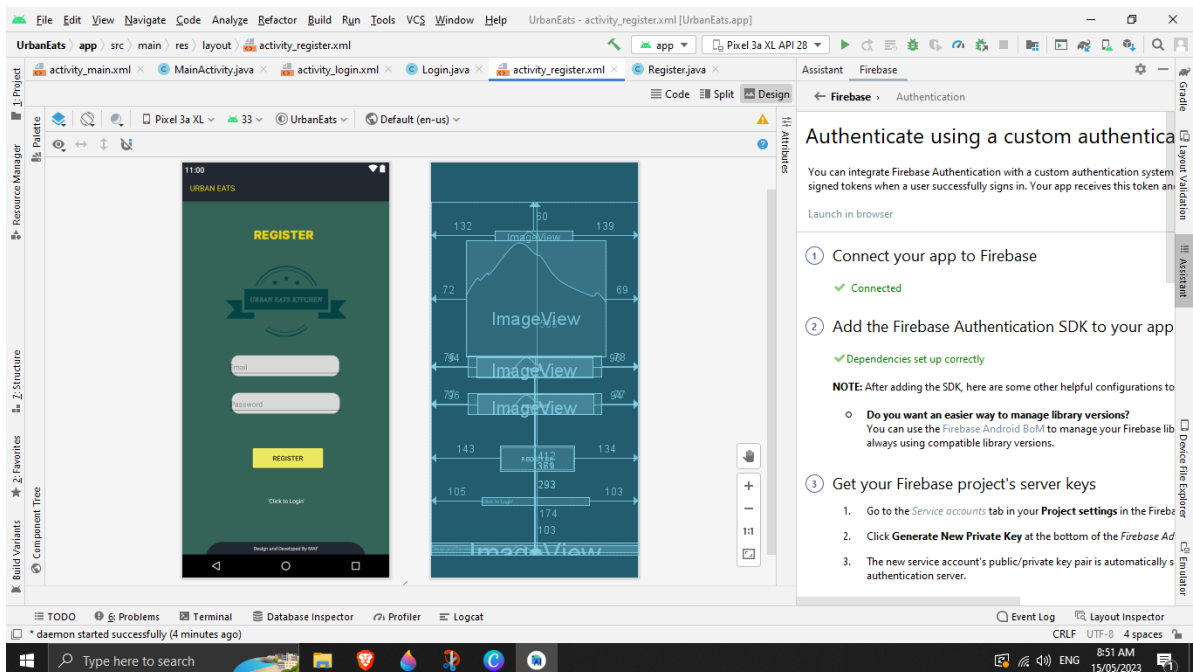
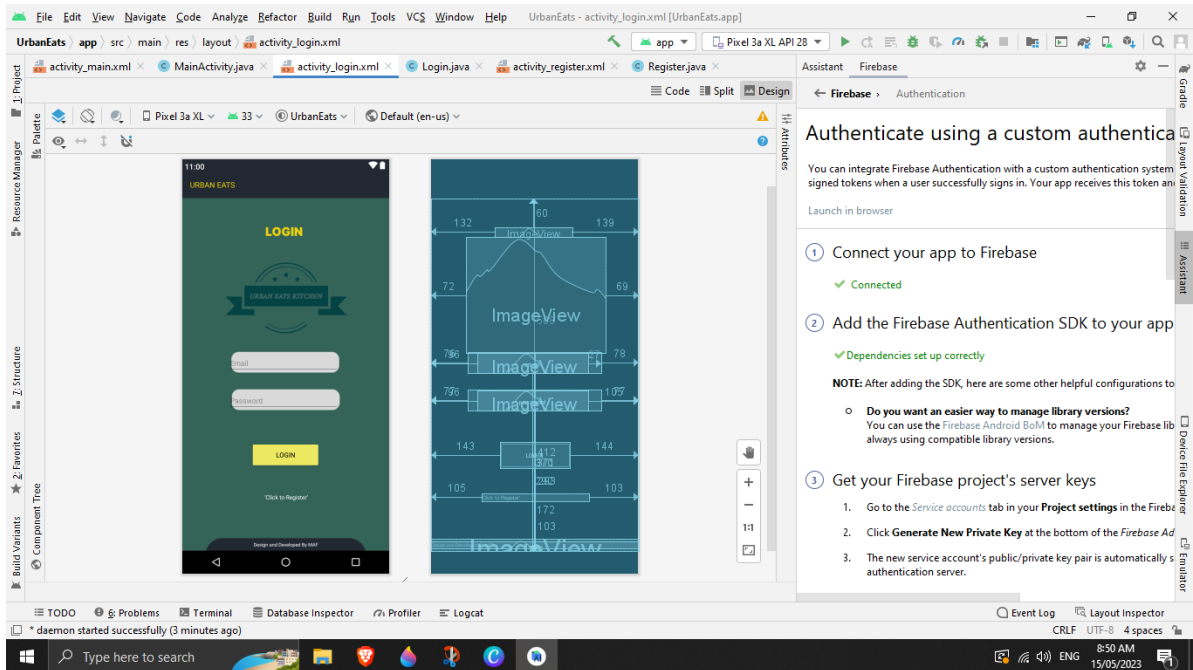
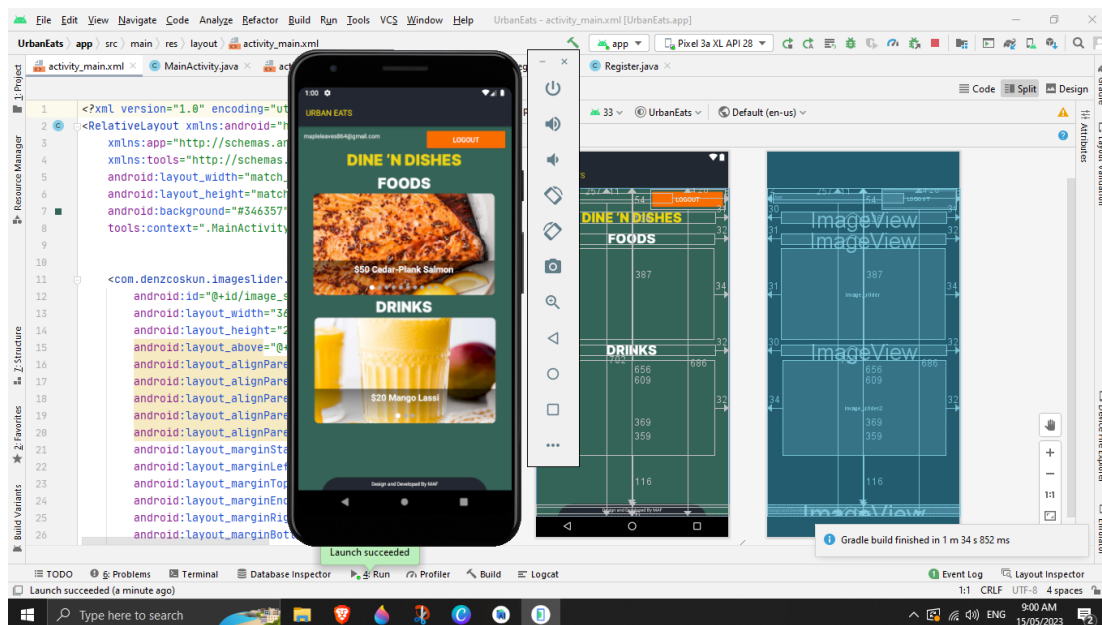
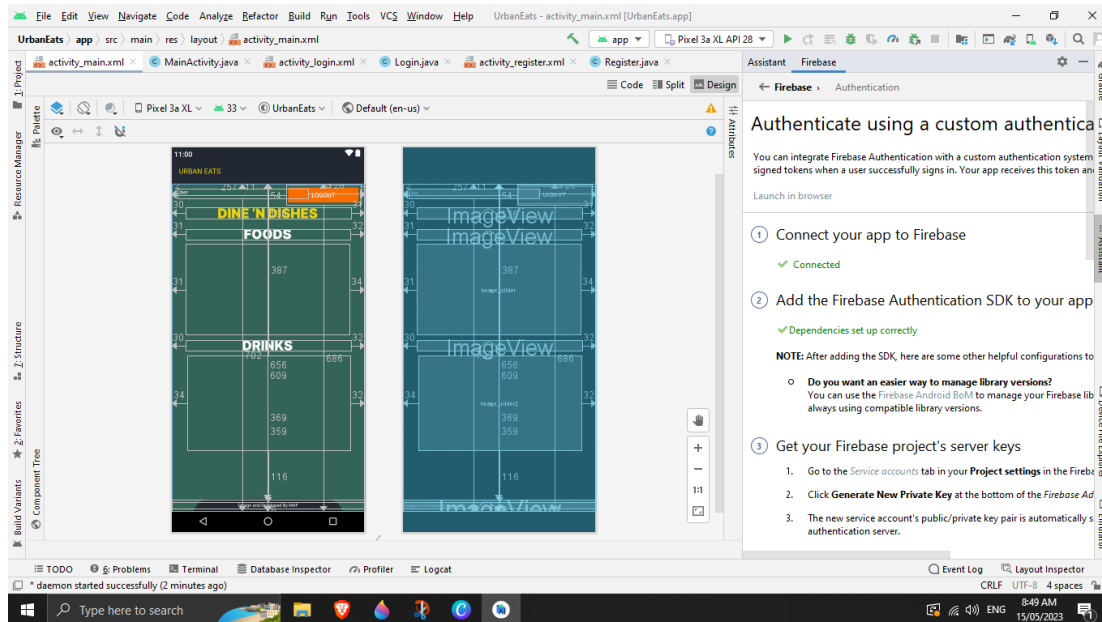


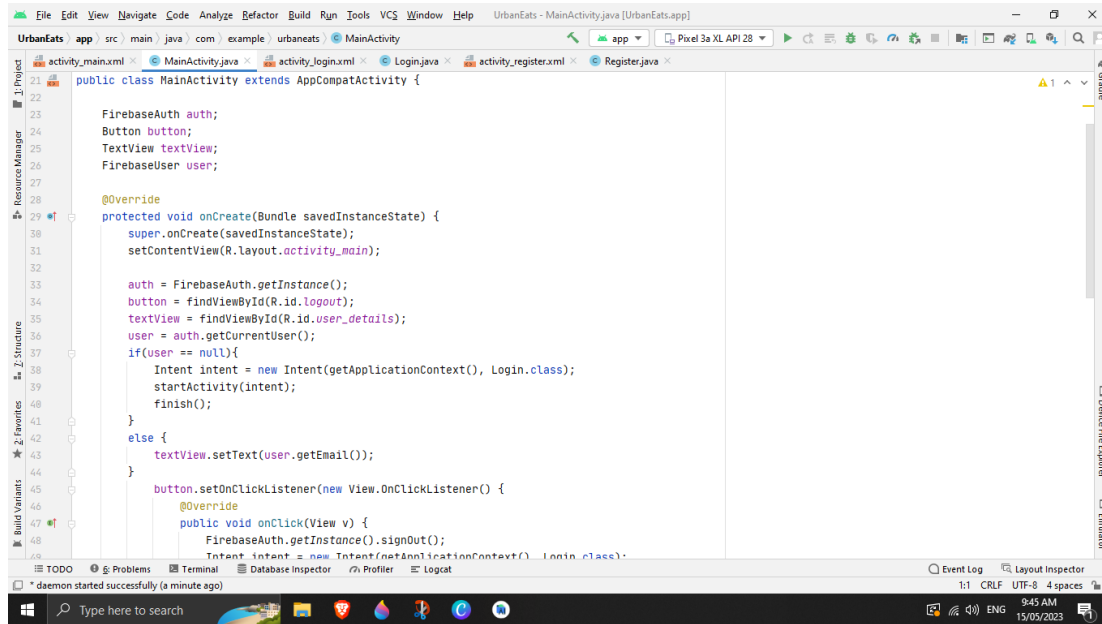
SCREENSHOTS ANDROID STUDIO DESIGNER VIEW



SCREENSHOTS ANDROID STUDIO DESIGNER VIEW



ANDROID STUDIO CODE



The screenshot shows the Android Studio IDE with the MainActivity.java file open. The code defines the MainActivity class, which extends AppCompatActivity. It initializes FirebaseAuth, Button, TextView, and FirebaseUser. The onCreate method calls super.onCreate, sets the content view to R.layout.activity_main, and initializes the UI elements. It then checks if the user is logged in. If not, it starts the LoginActivity. If logged in, it displays the user's email. A button click listener is also defined to handle user logout.

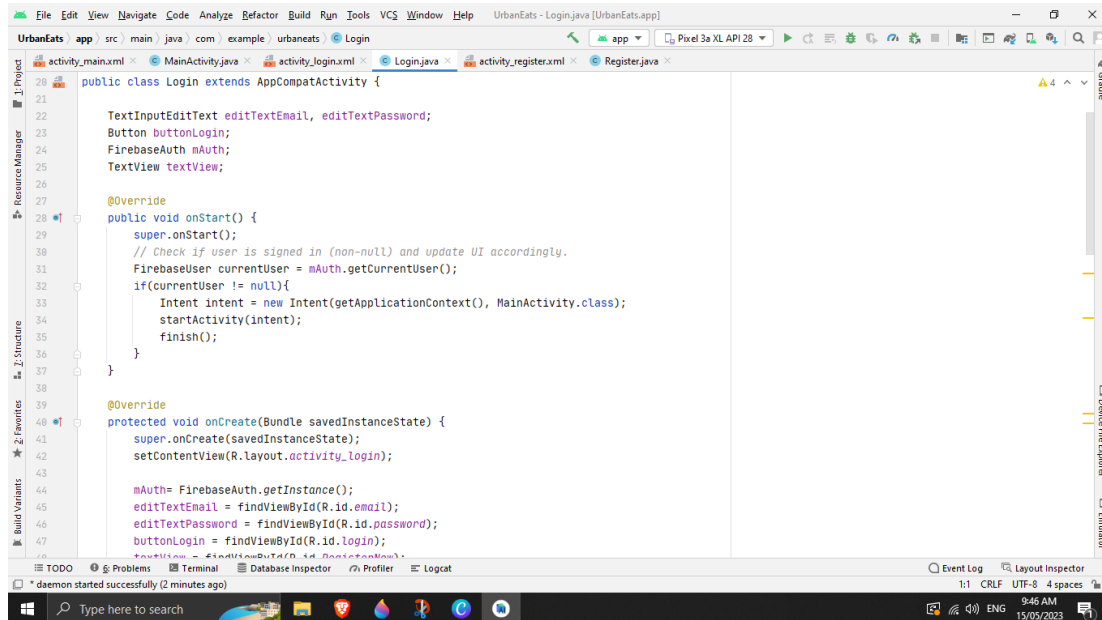
```
public class MainActivity extends AppCompatActivity {

    FirebaseAuth mAuth;
    Button button;
    TextView textView;
    FirebaseUser user;

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

        mAuth = FirebaseAuth.getInstance();
        button = findViewById(R.id.logout);
        textView = findViewById(R.id.user_details);
        user = mAuth.getCurrentUser();
        if (user == null) {
            Intent intent = new Intent(getApplicationContext(), LoginActivity.class);
            startActivity(intent);
            finish();
        } else {
            textView.setText(user.getEmail());

            button.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View v) {
                    FirebaseAuth.getInstance().signOut();
                    Intent intent = new Intent(getApplicationContext(), LoginActivity.class);
                    startActivity(intent);
                    finish();
                }
            });
        }
    }
}
```



The screenshot shows the Android Studio IDE with the Login.java file open. The code defines the Login class, which extends AppCompatActivity. It initializes TextInputEditText, Button, FirebaseAuth, and TextView. The onStart method checks if the user is logged in. If not, it starts the MainActivity. If logged in, it displays the user's email. The onCreate method initializes the UI elements and sets the content view to R.layout.activity_login.

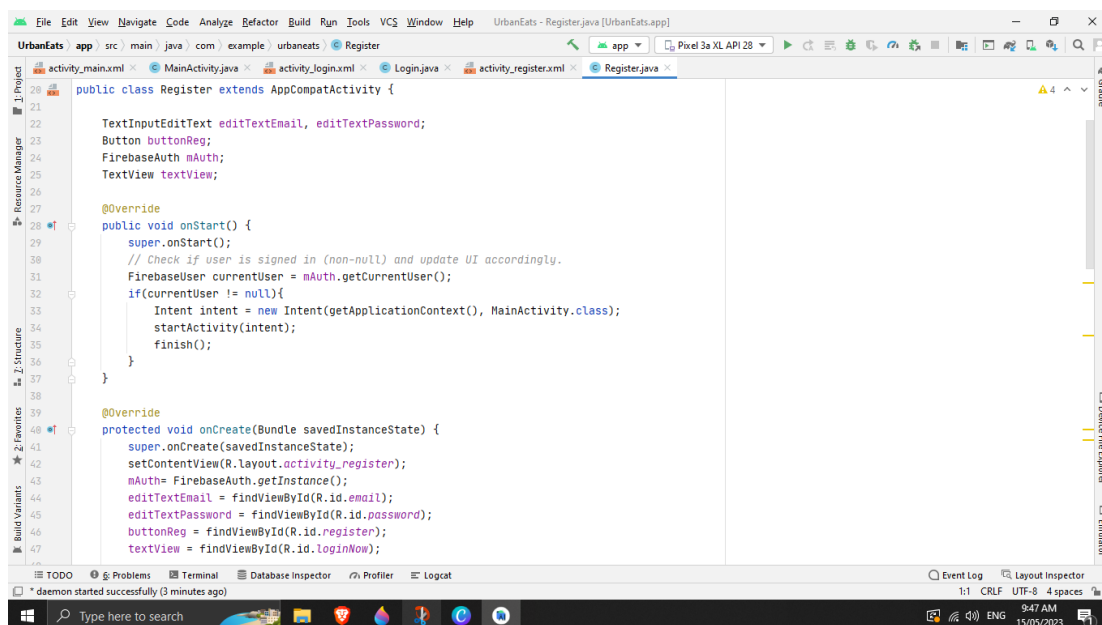
```
public class Login extends AppCompatActivity {

    TextInputEditText editTextEmail, editTextPassword;
    Button buttonLogin;
    FirebaseAuth mAuth;
    TextView textView;

    @Override
    public void onStart() {
        super.onStart();
        // Check if user is signed in (non-null) and update UI accordingly.
        FirebaseUser currentUser = mAuth.getCurrentUser();
        if (currentUser != null) {
            Intent intent = new Intent(getApplicationContext(), MainActivity.class);
            startActivity(intent);
            finish();
        }
    }

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

        mAuth = FirebaseAuth.getInstance();
        editTextEmail = findViewById(R.id.email);
        editTextPassword = findViewById(R.id.password);
        buttonLogin = findViewById(R.id.login);
        textView = findViewById(R.id.registerNow);
    }
}
```



The screenshot shows the Android Studio IDE with the Register.java file open. The code defines the Register class, which extends AppCompatActivity. It initializes TextInputEditText, Button, FirebaseAuth, and TextView. The onStart method checks if the user is logged in. If not, it starts the MainActivity. If logged in, it displays the user's email. The onCreate method initializes the UI elements and sets the content view to R.layout.activity_register.

```
public class Register extends AppCompatActivity {

    TextInputEditText editTextEmail, editTextPassword;
    Button buttonReg;
    FirebaseAuth mAuth;
    TextView textView;

    @Override
    public void onStart() {
        super.onStart();
        // Check if user is signed in (non-null) and update UI accordingly.
        FirebaseUser currentUser = mAuth.getCurrentUser();
        if (currentUser != null) {
            Intent intent = new Intent(getApplicationContext(), MainActivity.class);
            startActivity(intent);
            finish();
        }
    }

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);
        mAuth = FirebaseAuth.getInstance();
        editTextEmail = findViewById(R.id.email);
        editTextPassword = findViewById(R.id.password);
        buttonReg = findViewById(R.id.register);
        textView = findViewById(R.id.loginNow);
    }
}
```