**package** com.drexel.team47.dragonfriends;  
  
**import** android.net.Uri;  
**import** android.support.annotation.NonNull;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.widget.Toast;  
  
**import** com.google.android.gms.tasks.OnCompleteListener;  
**import** com.google.firebase.auth.AuthResult;  
**import** com.google.firebase.auth.FirebaseAuth;  
**import** com.google.firebase.auth.FirebaseUser;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 **private** FirebaseAuth **mAuth**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **mAuth** = FirebaseAuth.*getInstance*();  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
 **public void** onStart(){  
 **super**.onStart();  
 FirebaseUser currentUser = **mAuth**.getCurrentUser();  
 updateUI(currentUser);  
 }  
 **mAuth**.createUserWithEmailAndPassword(email, password)  
 .addOnCompleteListener(**this**, **new** OnCompleteListener<AuthResult>() {  
 @Override  
 **public void** onComplete(@NonNull Task<AuthResult> task) {  
 **if** (task.isSuccessful()) {  
 Log.*d*(***TAG***, **"createUserWithEmail:success"**);  
 FirebaseUser user = **mAuth**.getCurrentUser();  
 updateUI(user);  
 } **else** {  
 Log.*w*(***TAG***, **"createUserWithEmail:failure"**, task.getException());  
 Toast.makeText(EmailPasswordActivity.**this**, **"Authentication failed."**, Toast.***LENGTH\_SHORT***).show();  
 updateUI(**null**);  
 }  
 }  
 });  
 **mAuth**.signInWithEmailAndPassword(email, password)  
 .addOnCompleteListener(**this**, **new** OnCompleteListener<AuthResult>() {  
 @Override  
 **public void** onComplete(@NonNull Task<AuthResult> task) {  
 **if** (task.isSuccessful()) {  
 Log.*d*(***TAG***, **"signInWithEmail:success"**);  
 FirebaseUser user = **mAuth**.getCurrentUser();  
 updateUI(user);  
 } **else** {  
 Log.*w*(***TAG***, **"signInWithEmail:failure"**, task.getException());  
 Toast.makeText(EmailPasswordActivity.**this**, **"Authentication failed."**, Toast.***LENGTH\_SHORT***).show();  
 updateUI(**null**);  
 }  
 }  
 });  
 FirebaseUser **user** = FirebaseAuth.*getInstance*().getCurrentUser();  
 **if** (**user** != **null**) {  
 String name = **user**.getDisplayName();  
 String email = **user**.getEmail();  
 Uri photoUrl = **user**.getPhotoUrl();  
 **boolean** emailVerified = **user**.isEmailVerified();  
 String uid = **user**.getUid();  
 }  
}