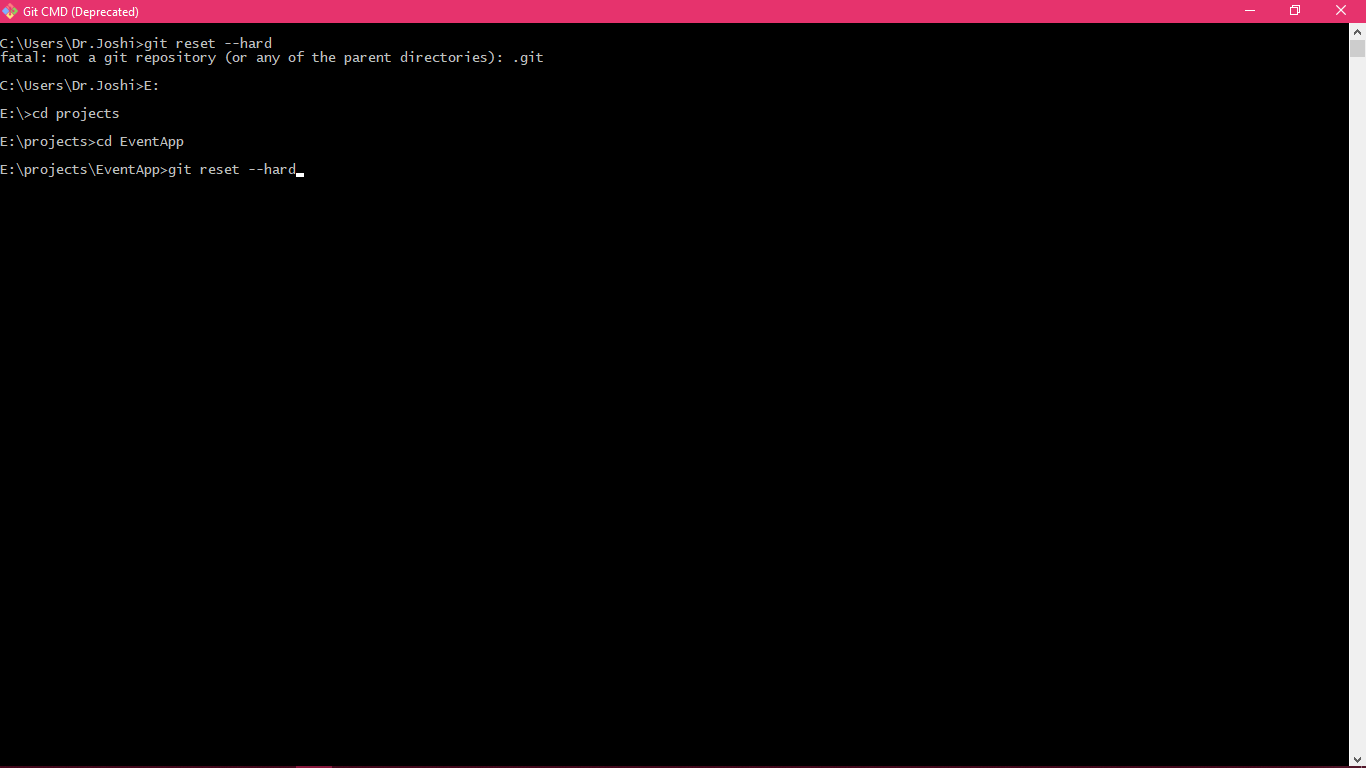
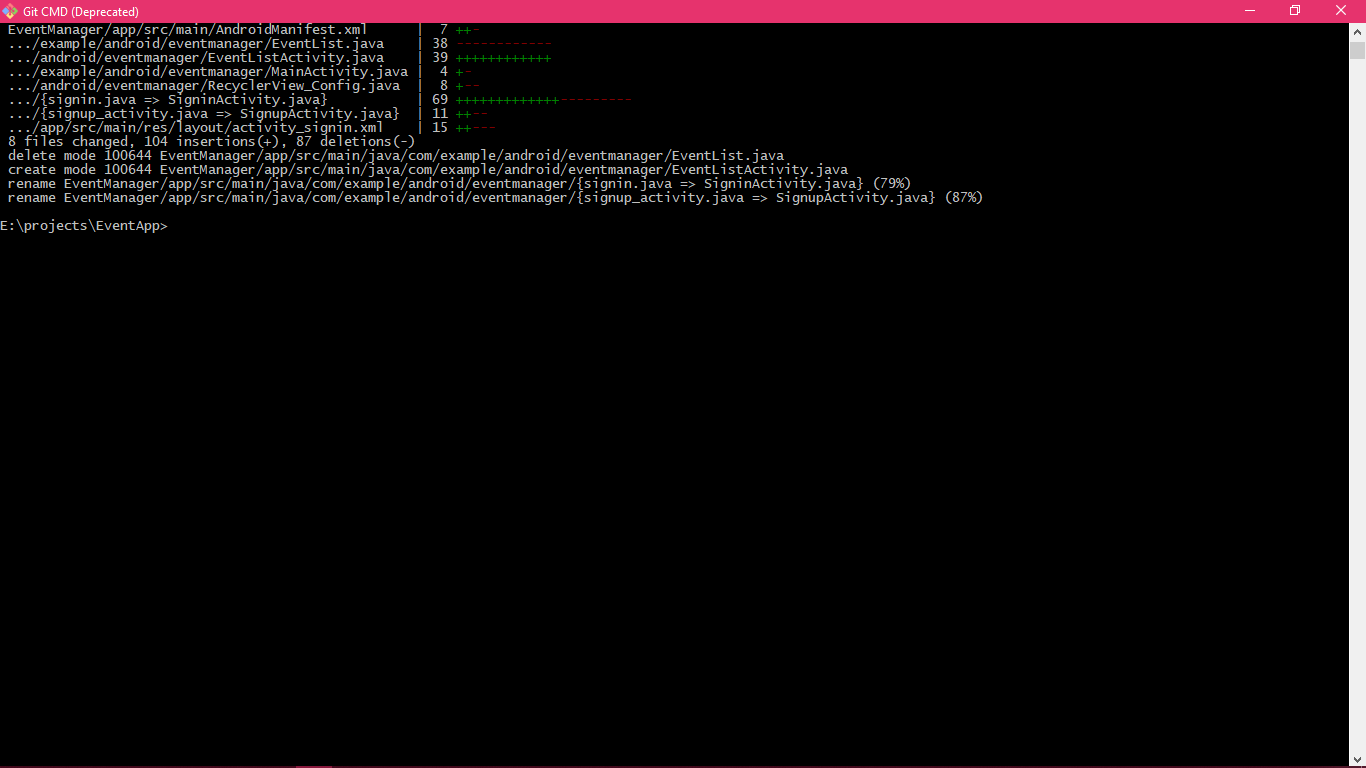
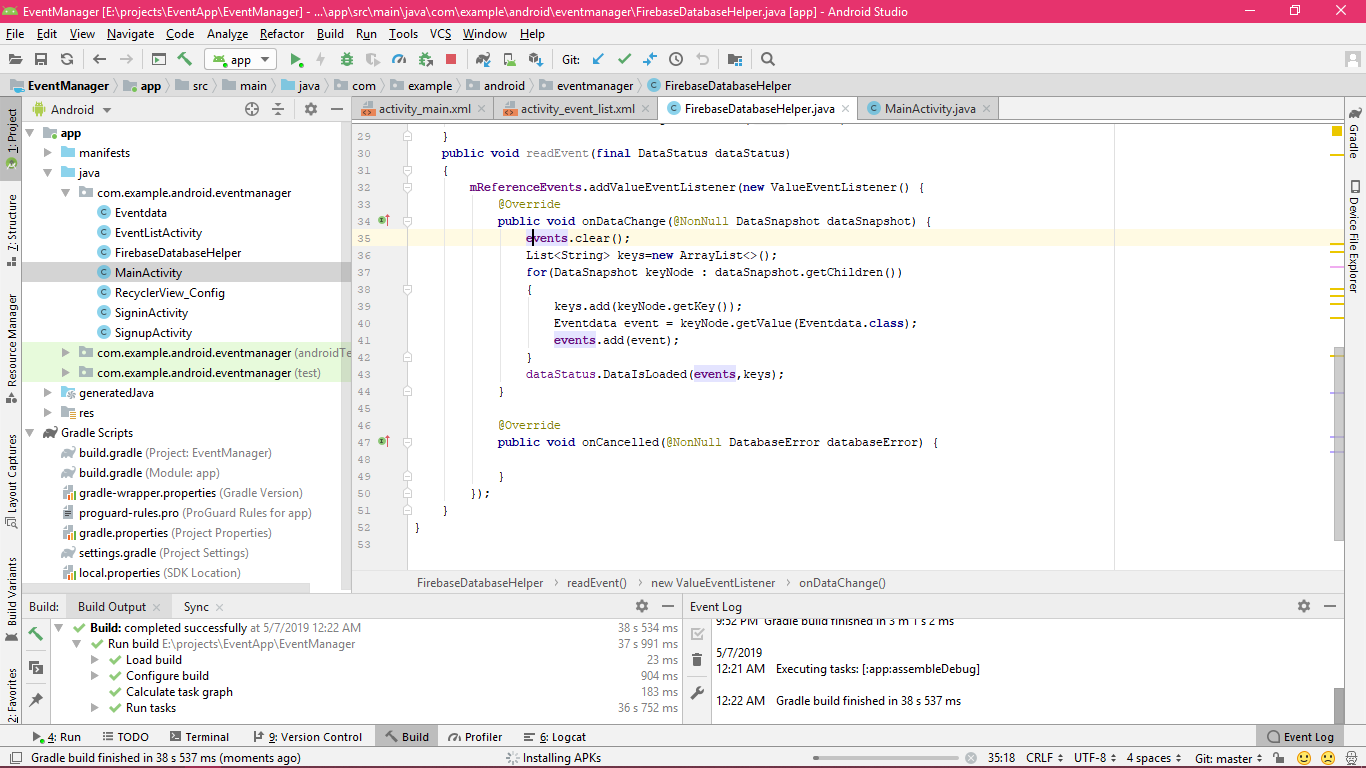


1.Pull request from git

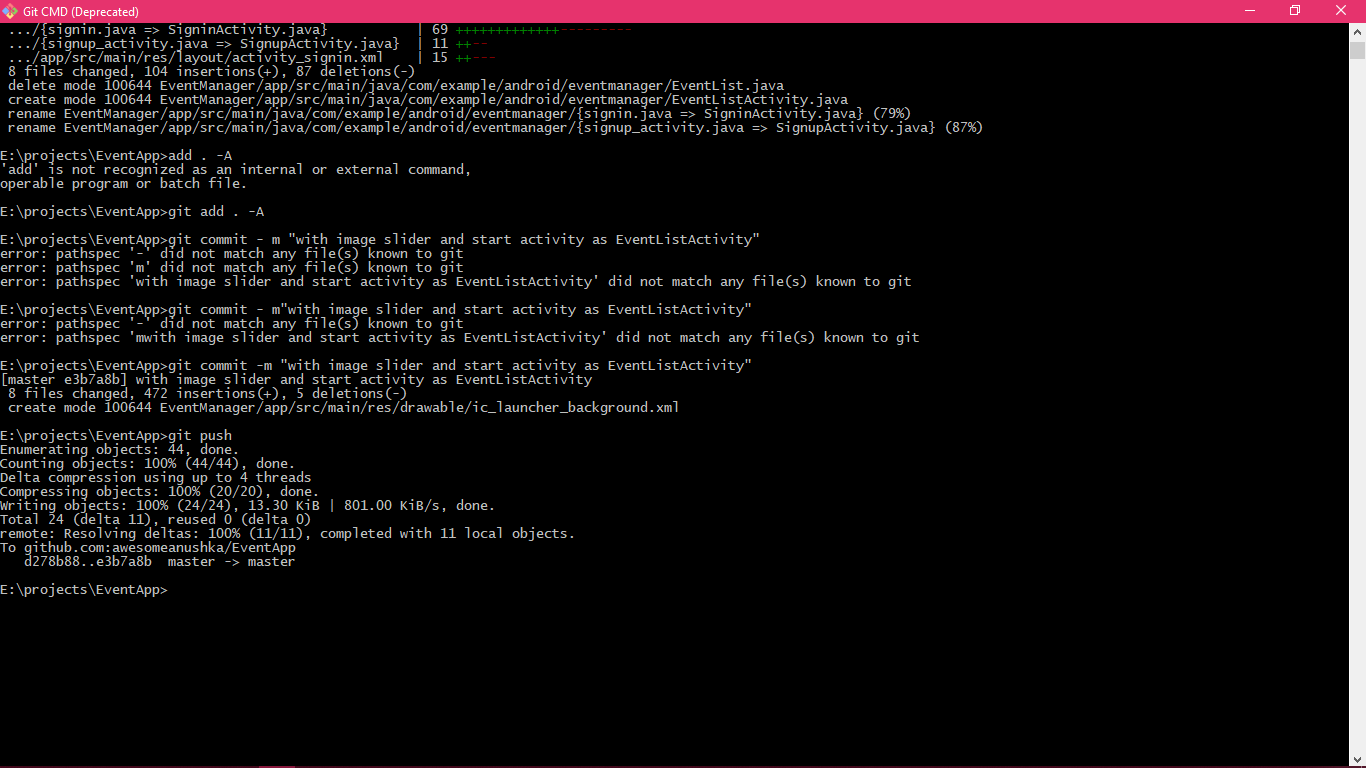




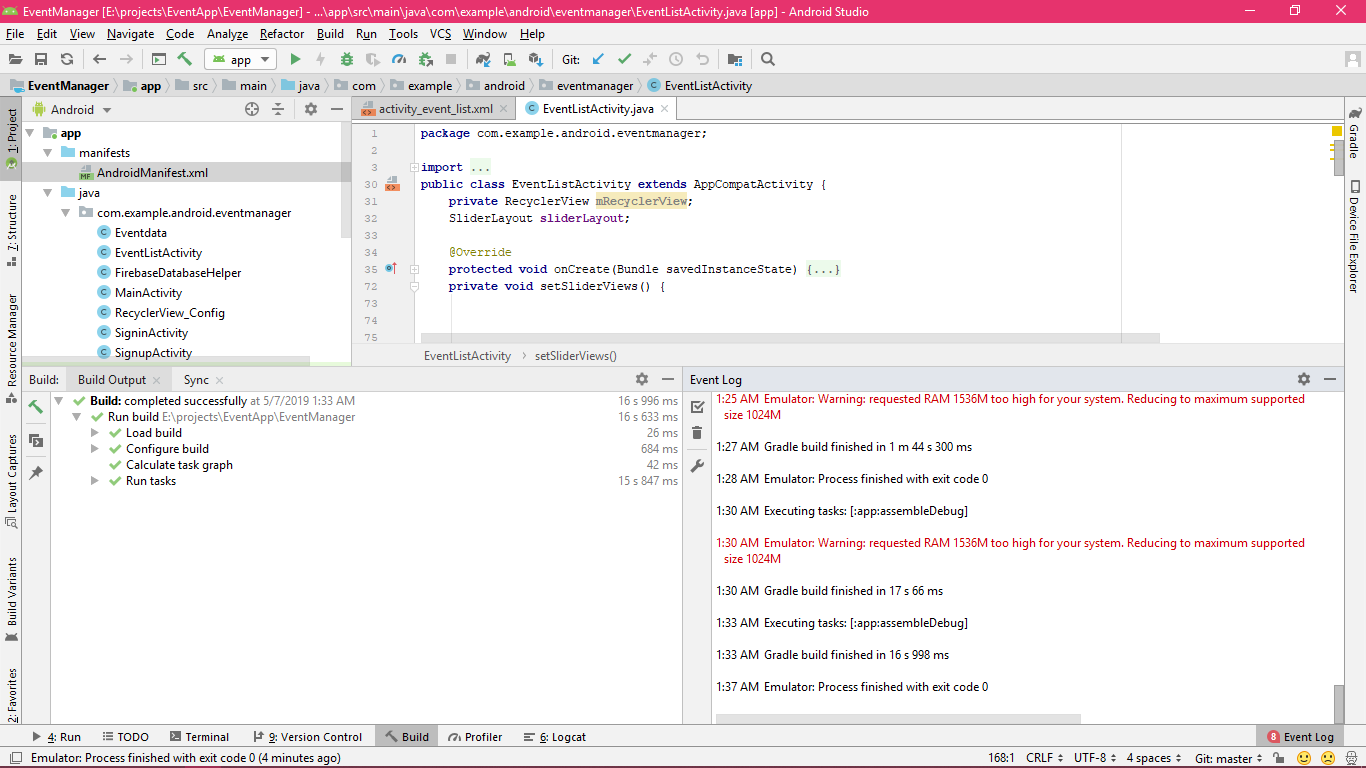
Project building phase



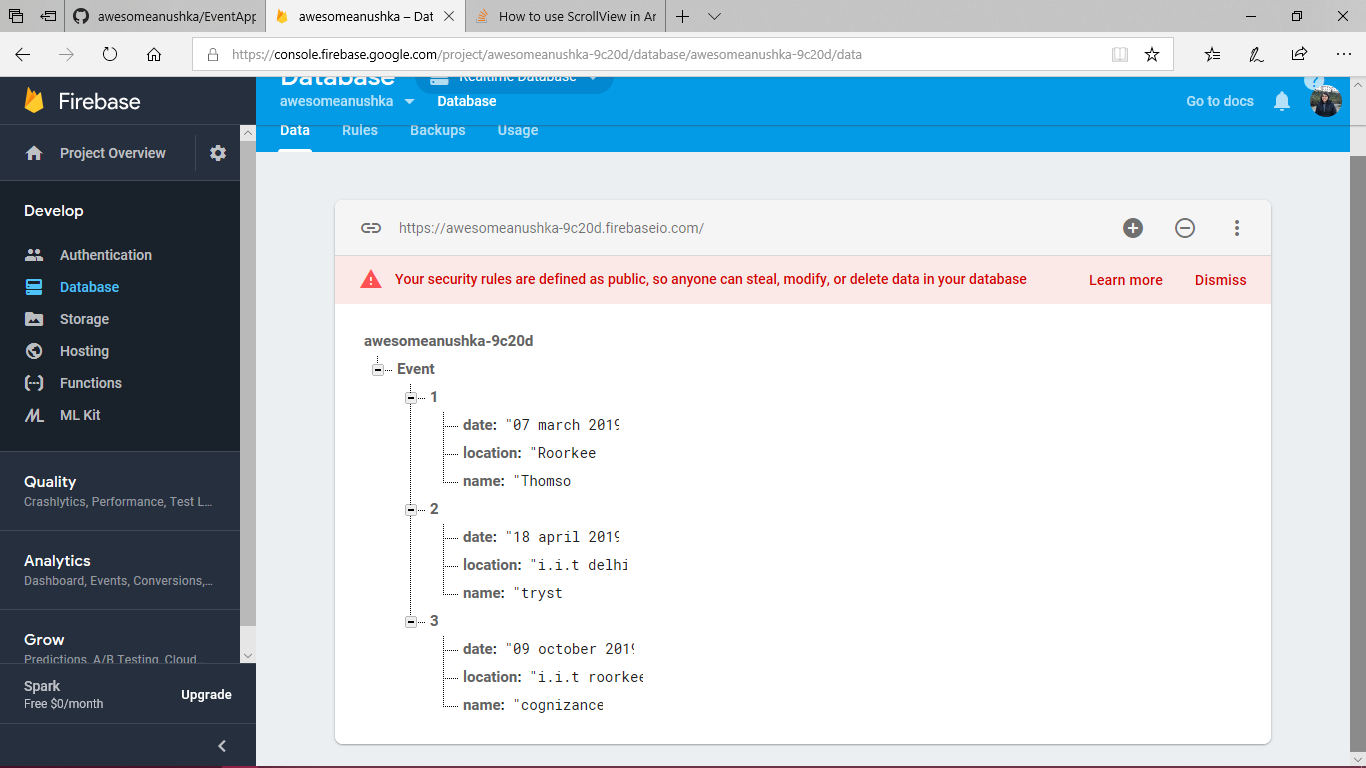
//pushing the app to git



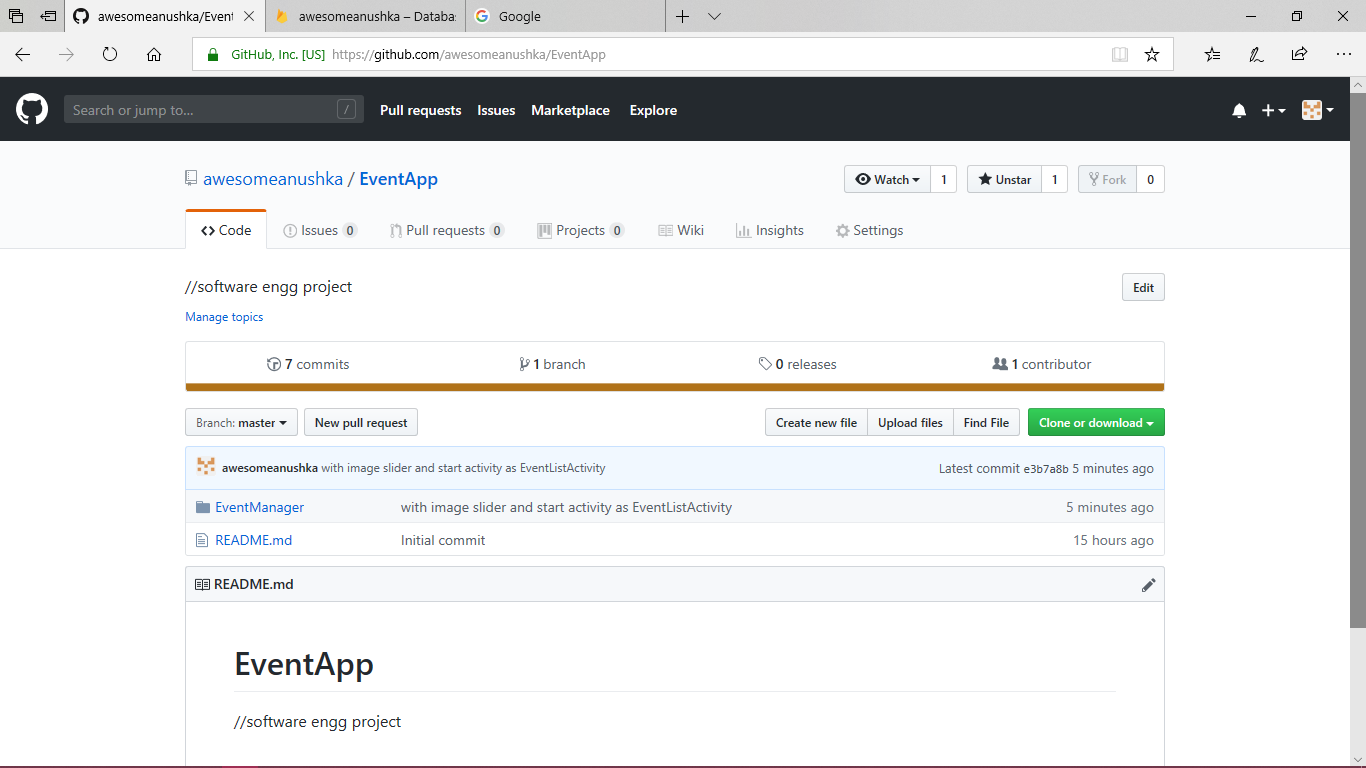
Building process 2:00 am 7 may 2019



Firebase console used as Database server



Saved in github

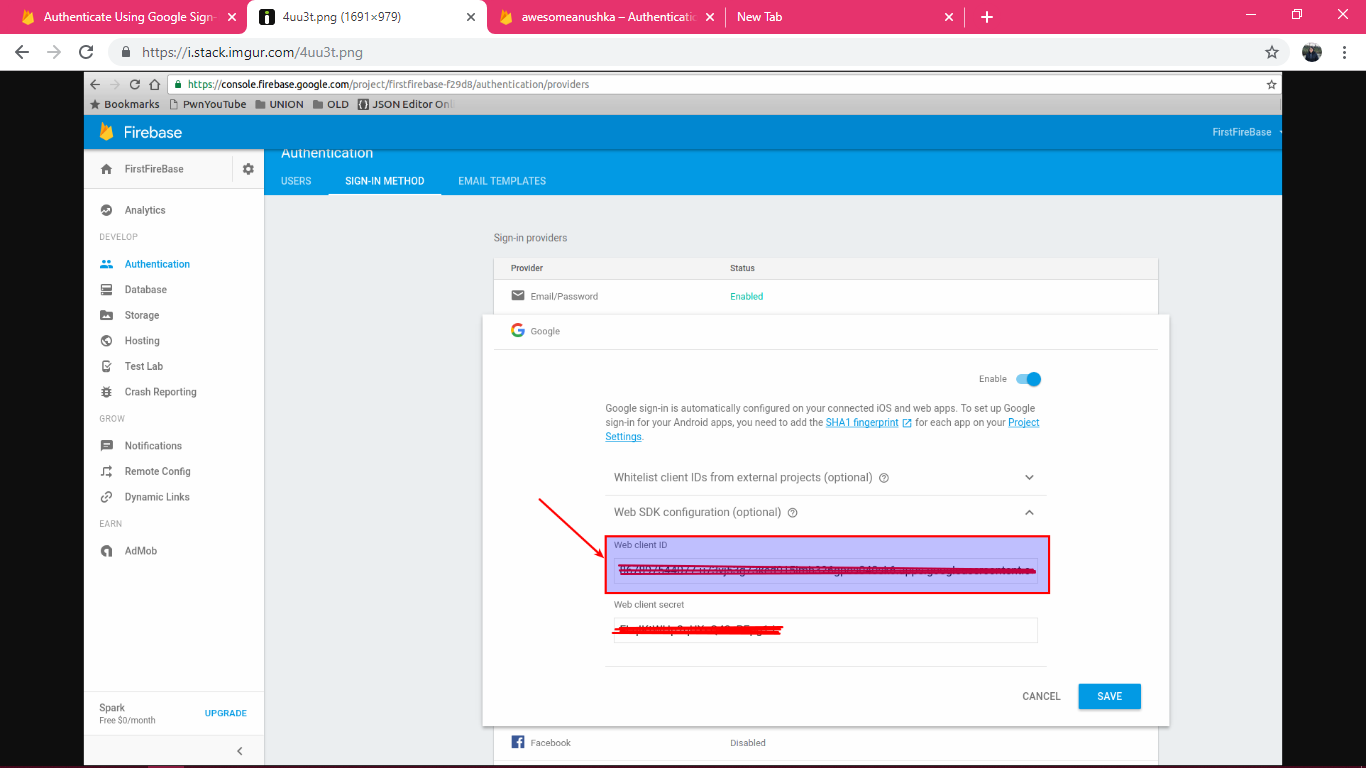
 FIREBBASE DEPENCIES

implementation 'com.google.android.gms:play-services-auth:16.0.1'

GoogleSignInOptions gso = **new** GoogleSignInOptions.Builder(GoogleSignInOptions.***DEFAULT\_SIGN\_IN***)  
 .requestIdToken(**"518070627578-nst47tgimi7sa3oht088ue6n4psjti16.apps.googleusercontent.com"**)  
 .requestEmail()  
 .build();

//provide the web id

Eg-



**private static final** String ***TAG*** = **""**;  
 **private** EditText **inputEmail**;  
 **private** EditText **inputPassword**;  
   
  
 Button **ahlogin**;  
 TextView **btnCreateAccount**;  
  
 **private** FirebaseAuth **mAuth**;  
 **private** ProgressBar **progressBar**;  
 SignInButton **button**;  
 **private final static int *RC\_SIGN\_IN*** = 123;  
 GoogleSignInClient **mGoogleSignInClient**;  
 FirebaseAuth.AuthStateListener **mAuthListner**;  
  
  
 @Override  
 **protected void** onStart() {  
 **super**.onStart();  
 **mAuth**.addAuthStateListener(**mAuthListner**);  
 *// Check if user is signed in (non-null) and update UI accordingly.* FirebaseUser currentUser = **mAuth**.getCurrentUser();  
  
 }  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_signin***);  
 **inputEmail** = (EditText) findViewById(R.id.***email***);  
 **inputPassword** = (EditText) findViewById(R.id.***password***);  
 **progressBar** = (ProgressBar) findViewById(R.id.***progressBar***);  
  
 **ahlogin** = (Button) findViewById(R.id.***email\_login***);  
  
 **btnCreateAccount** = (Button) findViewById(R.id.***bt\_create\_account***);  
 **btnCreateAccount**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 startActivity(**new** Intent(SigninActivity.**this**, SignupActivity.**class**));  
 }  
 });  
 *//initialize firebase auth* **mAuth** = FirebaseAuth.*getInstance*();  
 *//check the current user* **if** (**mAuth**.getCurrentUser() != **null**) {  
 startActivity(**new** Intent(SigninActivity.**this**,MainActivity.**class**));  
 finish();  
 }  
  
 **button** = (SignInButton) findViewById(R.id.***sign\_in\_google***);  
 **button**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 signIn();  
 }  
 });  
  
 *// Checking the email id and password is Empty* **ahlogin**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 String email = **inputEmail**.getText().toString();  
 **final** String password = **inputPassword**.getText().toString();  
 **if** (TextUtils.*isEmpty*(email)) {  
 Toast.*makeText*(getApplicationContext(), **"Please enter email id"**, Toast.***LENGTH\_SHORT***).show();  
 **return**;  
 }  
 **if** (TextUtils.*isEmpty*(password)) {  
 Toast.*makeText*(getApplicationContext(), **"Enter Password"**, Toast.***LENGTH\_SHORT***).show();  
 **return**;  
 }  
 **progressBar**.setVisibility(View.***VISIBLE***);  
 *//authenticate user* **mAuth**.signInWithEmailAndPassword(email, password)  
 .addOnCompleteListener(SigninActivity.**this**, **new** OnCompleteListener<AuthResult>() {  
 @Override  
 **public void** onComplete(@NonNull Task<AuthResult> task) {  
 **progressBar**.setVisibility(View.***GONE***);  
 **if** (task.isSuccessful()) {  
 *// there was an error* Log.*d*(***TAG***, **"signInWithEmail:success"**);  
 Intent intent = **new** Intent(SigninActivity.**this**,MainActivity.**class**);  
 startActivity(intent);  
 finish();  
 } **else** {  
 Log.*d*(***TAG***, **"singInWithEmail:Fail"**);  
 Toast.*makeText*(SigninActivity.**this**, **"failed"**, Toast.***LENGTH\_LONG***).show();  
 }  
 }  
 });  
 }  
 });  
 **mAuthListner** = **new** FirebaseAuth.AuthStateListener() {  
 @Override  
 **public void** onAuthStateChanged(@NonNull FirebaseAuth firebaseAuth) {  
 **if** (firebaseAuth.getCurrentUser() != **null**) {  
 startActivity(**new** Intent(SigninActivity.**this**,MainActivity.**class**));  
 }  
 }  
 };  
 GoogleSignInOptions gso = **new** GoogleSignInOptions.Builder(GoogleSignInOptions.***DEFAULT\_SIGN\_IN***)  
 .requestIdToken(**"518070627578-nst47tgimi7sa3oht088ue6n4psjti16.apps.googleusercontent.com"**)  
 .requestEmail()  
 .build();  
 **mGoogleSignInClient** = GoogleSignIn.*getClient*(**this**, gso);  
  
 }  
  
 **private void** signIn() {  
 Intent signInIntent = **mGoogleSignInClient**.getSignInIntent();  
 startActivityForResult(signInIntent, ***RC\_SIGN\_IN***);  
 }  
  
 @Override  
 **public void** onActivityResult(**int** requestCode, **int** resultCode, Intent data) {  
 **super**.onActivityResult(requestCode, resultCode, data);  
 *// Result returned from launching the Intent from GoogleSignInApi.getSignInIntent(...);* **if** (requestCode == ***RC\_SIGN\_IN***) {  
 Task<GoogleSignInAccount> task = GoogleSignIn.*getSignedInAccountFromIntent*(data);  
 **try** {  
 *// Google Sign In was successful, authenticate with Firebase* GoogleSignInAccount account = task.getResult(ApiException.**class**);  
 firebaseAuthWithGoogle(account);  
 } **catch** (ApiException e) {  
 *// Google Sign In failed, update UI appropriately* Log.*w*(***TAG***, **"Google sign in failed"**, e);  
 Toast.*makeText*(getApplicationContext(), **"Google sign in failed"**, Toast.***LENGTH\_LONG***).show();  
 *// ...* }  
 }  
 }  
  
 **private void** firebaseAuthWithGoogle(GoogleSignInAccount account) {  
 AuthCredential credential = GoogleAuthProvider.*getCredential*(account.getIdToken(), **null**);  
 **mAuth**.signInWithCredential(credential)  
 .addOnCompleteListener(**this**, **new** OnCompleteListener<AuthResult>() {  
 @Override  
 **public void** onComplete(@NonNull Task<AuthResult> task) {  
 **if** (task.isSuccessful()) {  
 *// Sign in success, update UI with the signed-in user's information* Log.*d*(***TAG***, **"signInWithCredential:success"**);  
 FirebaseUser user = **mAuth**.getCurrentUser();  
 Toast.*makeText*(getApplicationContext(), **"signInWithCredential:success"**, Toast.***LENGTH\_LONG***).show();  
 startActivity(**new** Intent(SigninActivity.**this**, EventListActivity.**class**));  
 finish();  
 *//updateUI(user);* } **else** {  
 *// If sign in fails, display a message to the user.* Log.*w*(***TAG***, **"signInWithCredential:failure"**, task.getException());  
 Toast.*makeText*(SigninActivity.**this**, **"signInWithCredential:failure"**, Toast.***LENGTH\_SHORT***).show();  
 *//updateUI(null);* }  
 *// ...* }  
 });  
 }  
  
  
}