package com.example.covid\_19alertapp.activities;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Context;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.view.Gravity;

import android.view.LayoutInflater;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.RadioGroup;

import android.widget.TextView;

import android.widget.Toast;

import com.example.covid\_19alertapp.R;

import com.example.covid\_19alertapp.extras.DateTimeHandler;

import com.example.covid\_19alertapp.models.Post;

import com.example.covid\_19alertapp.extras.Constants;

import com.google.android.gms.tasks.OnFailureListener;

import com.google.android.gms.tasks.OnSuccessListener;

import com.google.firebase.database.DataSnapshot;

import com.google.firebase.database.DatabaseError;

import com.google.firebase.database.DatabaseReference;

import com.google.firebase.database.FirebaseDatabase;

import com.google.firebase.database.Query;

import com.google.firebase.database.ValueEventListener;

public class PostActivity extends AppCompatActivity {

SharedPreferences sharedPreferences;

Button homeBtnPost, postBtn;

EditText postText;

RadioGroup radioGroup;

String postType= "QUERY";

String post\_ID,user\_name,user\_ID,post\_body,post\_date,post\_time,contact\_NO;

int reliefbtnID,radioID;

DatabaseReference reference;

Query query;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_post);

reference = FirebaseDatabase.getInstance().getReference().child("Posts");

homeBtnPost = findViewById(R.id.home\_button\_new\_post\_page);

postBtn = findViewById(R.id.btn\_post);

postText = findViewById(R.id.editText\_post);

radioGroup = findViewById(R.id.radioGroup);

reliefbtnID = R.id.radBtnRelief;

homeBtnPost.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

postBtn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

post\_body = postText.getText().toString();

if(post\_body.length()==0)

{

postText.setError("Post body can not be empty!");

}

else

{

//Post It

sharedPreferences = getSharedPreferences(Constants.USER\_INFO\_SHARED\_PREFERENCES,MODE\_PRIVATE);

post\_ID = reference.push().getKey();

user\_ID = sharedPreferences.getString(Constants.uid\_preference,null);

contact\_NO = sharedPreferences.getString(Constants.user\_phone\_no\_preference,null);

post\_date = DateTimeHandler.DateToday();

post\_time = DateTimeHandler.TimeNow();

radioID = radioGroup.getCheckedRadioButtonId();

if(radioID==reliefbtnID)

{

user\_name = "Anonymous";

postType = "RELIEF";

query = FirebaseDatabase.getInstance().getReference().child("Posts").orderByChild("userID").equalTo(user\_ID);

query.addListenerForSingleValueEvent(valueEventListener);

}

else

{

user\_name = sharedPreferences.getString(Constants.username\_preference,null);

postType= "QUERY";

makePost();

}

}

}

});

}

public void showCustomAlert(String text)

{

Context context = getApplicationContext();

LayoutInflater inflater = getLayoutInflater();

View toastView = inflater.inflate(R.layout.custom\_toast, null);

TextView textView = toastView.findViewById(R.id.toast\_test);

textView.setText(text);

Toast toast = new Toast(context);

toast.setView(toastView);

toast.setGravity(Gravity.CENTER\_HORIZONTAL | Gravity.CENTER\_VERTICAL,

0, 0);

toast.setDuration(Toast.LENGTH\_LONG);

toast.show();

}

ValueEventListener valueEventListener = new ValueEventListener() {

Post postRelief=null;

@Override

public void onDataChange(@NonNull DataSnapshot dataSnapshot) {

for (DataSnapshot dataSnapshot1:dataSnapshot.getChildren())

{

Post post = dataSnapshot1.getValue(Post.class);

if(post.getPostType().equals("RELIEF"))

{

postRelief = post;

break;

}

}

if(postRelief==null)

{

makePost();

}

else

{

if(DateTimeHandler.dayInterval(postRelief.getDate())<3)

{

showCustomAlert("You Have to Wait 3 Days to Post Another Relief Request!");

}

else

{

DatabaseReference reference = FirebaseDatabase.getInstance().getReference().child("Posts");

reference.child(postRelief.getPostID()).removeValue();

makePost();

}

}

}

@Override

public void onCancelled(@NonNull DatabaseError databaseError) { }

};

public void makePost()

{

Post post = new Post(post\_ID,user\_name,user\_ID,post\_body,post\_date,post\_time,contact\_NO,postType);

reference.child(post\_ID).setValue(post).addOnSuccessListener(new OnSuccessListener<Void>() {

@Override

public void onSuccess(Void aVoid) {

showCustomAlert("Posted to Feed!");

finish();

}

}).addOnFailureListener(new OnFailureListener() {

@Override

public void onFailure(@NonNull Exception e) {

showCustomAlert("Failed: Check Internet Connection!");

}

});

}

}