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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;
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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);
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radioGroup = findViewById(R.id.radioGroup);

reliefbtnID = R.id.radBtnRelief;

homeBtnPost.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        finish();

    }

});
```

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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);
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        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();

        }

    }

    });

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}

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public void showCustomAlert(String text)

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{
    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();
}

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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;

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        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) { }

};

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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!");

        }

    });

}

}

```