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package com.example.covid_19alertapp.activities;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import android.content.Intent;
import android.os.Bundle;
import android.os.Parcelable;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
import com.example.covid_19alertapp.R;
import com.example.covid_19alertapp.adapters.FeedAdapter;
import com.example.covid_19alertapp.models.Post;
import com.google.android.material.floatingactionbutton.FloatingActionButton;
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.ValueEventListener;

import java.util.ArrayList;
import java.util.Collections;
```

```

public class NewsFeedActivity extends AppCompatActivity {

    FloatingActionButton floatingActionButton;

    Button homeBtnFeed;

    DatabaseReference reference;

    RecyclerView recyclerView;

    ArrayList<Post> list;

    com.example.covid_19alertapp.adapters.FeedAdapter FeedAdapter;

    private Parcelable recyclerViewState;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_news_feed);

        homeBtnFeed = findViewById(R.id.home_button_newsfeed_page);

        recyclerView = findViewById(R.id.recyclerView_Feed);

        floatingActionButton = findViewById(R.id.floatingActionButton);

        floatingActionButton.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                startActivity(new Intent(getApplicationContext(),PostActivity.class));

            }

        });

        homeBtnFeed.setOnClickListener(new View.OnClickListener() {

            @Override

```

```
public void onClick(View v) {  
    finish();  
}  
});
```

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

```
LinearLayoutManager manager = new LinearLayoutManager(this);  
recyclerView.setLayoutManager(manager);  
recyclerView.setHasFixedSize(true);
```

```
reference.addValueEventListener(new ValueEventListener() {  
    @Override  
    public void onDataChange(@NonNull DataSnapshot dataSnapshot) {  
        list = new ArrayList<>();  
  
        for (DataSnapshot dataSnapshot1: dataSnapshot.getChildren())  
        {  
            Post post = dataSnapshot1.getValue(Post.class);  
            list.add(post);  
        }  
        Collections.reverse(list);  
        FeedAdapter = new FeedAdapter(NewsFeedActivity.this,list);  
        recyclerViewState = recyclerView.setLayoutManager().onSaveInstanceState();  
        recyclerView.setAdapter(FeedAdapter);
```

```
recyclerView.getLayoutManager().onRestoreInstanceState(recyclerViewState);  
  
}  
  
@Override  
  
public void onCancelled(@NonNull DatabaseError databaseError) {  
  
    Toast.makeText(getApplicationContext(),"Something Wrong!\nCheck Internet Connection.",  
Toast.LENGTH_LONG).show();  
  
}  
  
});  
  
  
  
}  
  
}
```