```java
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package com.cyf.challengeyourfriends;

import java.util.ArrayList;


import android.app.Activity;
import android.app.AlertDialog;
import android.app.Dialog;
import android.content.DialogInterface;
import android.content.Intent;
import android.content.SharedPreferences;
import android.net.Uri;
import android.os.Bundle;
import android.preference.PreferenceManager;
import android.text.Editable;
import android.util.Log;
import android.view.LayoutInflater;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.EditText;
import android.widget.ListView;
import android.widget.Toast;

public class MenuActivity extends Activity implements OnItemClickListener {
    private ListView mLvMenu;
    private ArrayList<String> mStringMenuElems;
    private ArrayAdapter mMenuAdapter;
    private FriendManager friendsList;
    private ChallengeManager challengeList;
    private String curFriend;
    private Dialog ad;
    private String chosenFriend = null;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.listview_activity);
        mStringMenuElems = new ArrayList<String>();
        mStringMenuElems.add("View top challenges");
        mStringMenuElems.add("View my challenges");
        mStringMenuElems.add("Create challenge");
        mStringMenuElems.add("Add friend");
        mStringMenuElems.add("Remove friend");
        mStringMenuElems.add("Open Twitter");
        mStringMenuElems.add("Logout");
        mLvMenu = (ListView) findViewById(R.id.mainmenu_listview);
        mMenuAdapter = new ArrayAdapter<String>(this,android.R.layout.
            simple_list_item_1, mStringMenuElems);
        mLvMenu.setAdapter(mMenuAdapter);
        mLvMenu.setOnItemClickListener(this);

        friendsList = new FriendManager(this);
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        challengeList = new ChallengeManager(this, true);
        challengeList.printChallengeFile();
        ChallengeTopManager dontforgetotowipe = new ChallengeTopManager(this,
            true);
    }

    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long
        id) {
        //menu switcher
        int viewID = parent.getId();
        switch (viewID) {
        case R.id.mainmenu_listview:
            //main meny buttons
            mainMenuSwitcher(position);
            break;
        case R.id.friendslist_listview:
            //friends list dialog buttons
            chosenFriend = friendsList.getFriendsList().get(position);
            friendsList.removeFriend(chosenFriend);
            chosenFriend = null;
            ad.dismiss();
            break;
        }

        // Context context = getApplicationContext();
        // CharSequence text = "" + position;
        // int duration = Toast.LENGTH_SHORT;
        //
        // Toast toast = Toast.makeText(context, text, duration);
        // toast.show();

    }

    private void mainMenuSwitcher(int position) {
        Intent intent;

        switch (position) {
        case 0:
            intent = new Intent(this, ChallengeViewServer.class);
            startActivity(intent);
            break;
        case 1:
            // view local challenges
            intent = new Intent(this, ChallengeViewLocal.class);
            intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
            startActivity(intent);
            break;
        case 2://add challenge
            LayoutInflater factory = LayoutInflater.from(this);
            final View textEntryView = factory.inflate(R.layout.
                add_challenge_entry, null);
            //text_entry is an Layout XML file containing two text field to
                display in alert dialog
            final EditText ETname = (EditText) textEntryView.findViewById(R.id.
                addchallenge_name);
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        final EditText ETrules = (EditText) textEntryView.findViewById(R.id.
            addchallenge_rules);
        final EditText ETdays = (EditText) textEntryView.findViewById(R.id.
            addchallenge_days);
        final AlertDialog.Builder alert = new AlertDialog.Builder(this);

        alert.setTitle("Enter challenge details")
            .setView(textEntryView)
            .setPositiveButton("Save",
                new DialogInterface.OnClickListener() {
                    public void onClick(DialogInterface dialog, int
                        whichButton) {
                        // user confirms challenge so save it to the db
                        String name = (ETname.getText()+"").trim().
                            replaceAll("\n", "");
                        Filter filter = new Filter();
                        if(filter.censor(getApplicationContext(), name))
                        {
                            Toast.makeText(getApplicationContext(), "Name
                                rejected. Please try again", Toast.
                                LENGTH_SHORT).show();
                            return;
                        }
                        ArrayList<String> rules = new ArrayList<String>();
                        for(String str : (ETrules.getText()+"").split("\n"))
                            {
                            rules.add(str);
                        }
                        int days = 0;
                        try{
                            days = Integer.parseInt(ETdays.getText()+"");
                        } catch (NumberFormatException e){
                            days = 1;
                        }
                        Challenge chal = new Challenge(name, 0, rules, days,
                            0);
                        challengeList.addChallenge(chal);
                        chal.sendToDB();
                        challengeList.printChallengeFile();
                    }
                })
            .setNegativeButton("Cancel",
                new DialogInterface.OnClickListener() {
                    public void onClick(DialogInterface dialog, int
                        whichButton) {
                    }
                });
        alert.show();

        break;
    case 3:// add friend

        AlertDialog.Builder alert2 = new AlertDialog.Builder(this);

        alert2.setTitle("Add Friend");
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        // Set an EditText view to get user input
        final EditText input2 = new EditText(this);
        alert2.setView(input2);

        alert2.setPositiveButton("Ok",
                new DialogInterface.OnClickListener() {
                    public void onClick(DialogInterface dialog,
                            int whichButton) {
                        //save to friend db
                        Editable value = input2.getText();
                        log(value+"");
                        friendsList.addFriend(value+"");
                    }
                });

        alert2.setNegativeButton("Cancel",
                new DialogInterface.OnClickListener() {
                    public void onClick(DialogInterface dialog,
                            int whichButton) {
                        // Canceled.
                    }
                });

        alert2.show();
        // see
        // http://androidsnippets.com/prompt-user-input-with-an-alertdialog

        break;
    case 4:// remove friend
        FriendManager fm = new FriendManager(this);
        AlertDialog.Builder alertDialogBuilder = null;
        alertDialogBuilder = new AlertDialog.Builder(this);
        View view = getLayoutInflater()
                .inflate(R.layout.friends_list, null);
        alertDialogBuilder.setView(view);
        alertDialogBuilder.setTitle("Remove Friend");
        alertDialogBuilder.setPositiveButton("Cancel", null);
        ListView friendsListView = (ListView) view
                .findViewById(R.id.friendslist_listview);
        mMenuAdapter = new ArrayAdapter<String>(this,
                android.R.layout.simple_list_item_1, fm.getFriendsList());
        friendsListView.setAdapter(mMenuAdapter);
        friendsListView.setOnItemClickListener(this);
        ad = alertDialogBuilder.create();
        ad.show();

        break;
    case 5://check twitter by opening chrome
        String url = "http://www.twitter.com";
        Intent i = new Intent(Intent.ACTION_VIEW);
        i.setData(Uri.parse(url));
        startActivity(i);
        break;
    case 6:// logout
        SharedPreferences sharedPreferences = PreferenceManager.
            getDefaultSharedPreferences(getApplicationContext());
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            SharedPreferences.Editor editor = sharedPreferences.edit();
            editor.putString(ConstantValues.PREFERENCE_TWITTER_OAUTH_TOKEN, "");
            editor.putString(ConstantValues.PREFERENCE_TWITTER_OAUTH_TOKEN_SECRET
                , "");
            editor.putBoolean(ConstantValues.PREFERENCE_TWITTER_IS_LOGGED_IN,
                false);
            editor.commit();
            TwitterUtil.getInstance().reset();
            intent = new Intent(this, MainActivity.class);
            startActivity(intent);
            break;
        default:
            break;
        }

    }

    void log(String str) {
        Log.w("Menu", str);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        int id = item.getItemId();
        if (id == R.id.action_settings) {
            return true;
        }
        return super.onOptionsItemSelected(item);
    }
}
```