

```

package com.example.et5;

import android.content.Context;
import androidx.room.Database;
import androidx.room.Room;
import androidx.room.RoomDatabase;
import androidx.room.TypeConverters;

@Database(entities = {Expense.class}, version = 1)
@TypeConverters(DateConverter.class)
public abstract class ExpenseDatabase extends RoomDatabase {

    // DAO access method

    public abstract ExpenseDao expenseDao();

    // Singleton instance

    private static volatile ExpenseDatabase INSTANCE;

    // Singleton pattern to prevent multiple instances

    public static ExpenseDatabase getInstance(Context context) {
        if (INSTANCE == null) {
            synchronized (ExpenseDatabase.class) {
                if (INSTANCE == null) {
                    INSTANCE = Room.databaseBuilder(
                        context.getApplicationContext(),
                        ExpenseDatabase.class,
                        "expense_database.db" // Database file name
                    ).build();
                }
            }
        }

        return INSTANCE;
    }
}

```