

LocalBazaar — Complete GitHub-ready Project (Full)

This document contains a complete, runnable LocalBazaar Android project (Java + Firebase Auth + Firestore + basic booking flow).

Instructions: Create a new Android Studio project (Empty Activity, Java), package name `com.example.localbazaar`. Replace Android Studio generated files with the files below (create missing files). Put your `google-services.json` into `app/`. Then **File → Sync Project with Gradle Files** and run.

Features included (minimal but complete core)

- Splash -> Role selection -> Sign in / Sign up (Firebase Email/Password)
- Save role in SharedPreferences and Firestore user profile
- Customer: view list of workers (fetched from Firestore), view worker details, book a worker
- Worker: view incoming bookings and accept/reject (status change saved to Firestore)
- Basic profile for worker (name, service, phone, rating) stored in Firestore
- Logout, basic navigation

Project structure

```
LocalBazaar/
├── settings.gradle
├── build.gradle (project-level)
└── app/
    ├── build.gradle (app)
    └── src/main/
        ├── AndroidManifest.xml
        ├── java/com/example/localbazaar/
        │   ├── models/Worker.java
        │   ├── models/Booking.java
        │   ├── PrefManager.java
        │   ├── SplashActivity.java
        │   ├── RoleSelectionActivity.java
        │   ├── SignInActivity.java
        │   ├── CustomerHomeActivity.java
        │   ├── WorkerHomeActivity.java
        │   ├── WorkerListAdapter.java
        │   ├── WorkerDetailActivity.java
        │   └── BookingListActivity.java (for worker)
        └── res/
            └── layout/
```

```

    |   |   |
    |   |   |   activity_splash.xml
    |   |   |   activity_role_selection.xml
    |   |   |   activity_sign_in.xml
    |   |   |   activity_customer_home.xml
    |   |   |   activity_worker_home.xml
    |   |   |   activity_worker_list.xml
    |   |   |   item_worker.xml
    |   |   |   activity_worker_detail.xml
    |   |   |   activity_booking_list.xml
    |   |   values/
    |   |   |   strings.xml
    |   |   |   colors.xml
    |
    |   README.md

```

Important notes before running

1. Add `google-services.json` to `app/`.
2. In Firebase Console: enable **Email/Password** authentication. Create Firestore database in test mode for development.
3. Create a `workers` collection in Firestore and add a few worker documents with fields: `name` (string), `service` (string), `phone` (string), `rating` (number). This allows customers to see workers.

File contents (copy each into exact path)

`settings.gradle`

```

rootProject.name = 'LocalBazaar'
include ':app'

```

`build.gradle (project level)`

```

buildscript {
    repositories {
        google()
        mavenCentral()
    }
    dependencies {
        classpath 'com.android.tools.build:gradle:8.1.0'
        classpath 'com.google.gms:google-services:4.3.15'
    }
}

```

```
allprojects {
    repositories {
        google()
        mavenCentral()
    }
}
```

app/build.gradle

```
plugins {
    id 'com.android.application'
    id 'com.google.gms.google-services'
}

android {
    namespace 'com.example.localbazaar'
    compileSdk 34

    defaultConfig {
        applicationId 'com.example.localbazaar'
        minSdk 21
        targetSdk 34
        versionCode 1
        versionName '1.0'
    }

    compileOptions {
        sourceCompatibility JavaVersion.VERSION_17
        targetCompatibility JavaVersion.VERSION_17
    }
}

dependencies {
    implementation 'androidx.appcompat:appcompat:1.6.1'
    implementation 'com.google.android.material:material:1.9.0'
    implementation 'androidx.constraintlayout:constraintlayout:2.1.4'
    implementation 'com.google.firebase:firebase-auth:21.1.0'
    implementation 'com.google.firebase:firebase-firebase:24.7.0'
    implementation 'com.squareup.picasso:picasso:2.71828'
}
```

app/src/main/AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.localbazaar">
```

```
<uses-permission android:name="android.permission.INTERNET" />

<application
    android:allowBackup="true"
    android:label="LocalBazaar"
    android:icon="@mipmap/ic_launcher"
    android:theme="@style/Theme.MaterialComponents.DayNight.NoActionBar">

    <activity android:name=".BookingListActivity" />
    <activity android:name=".WorkerDetailActivity" />
    <activity android:name=".WorkerListActivity" />
    <activity android:name=".WorkerHomeActivity" />
    <activity android:name=".CustomerHomeActivity" />
    <activity android:name=".SignInActivity" />
    <activity android:name=".RoleSelectionActivity" />
    <activity android:name=".SplashActivity">
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />
            <category android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>
</application>

</manifest>
```

app/src/main/java/com/example/localbazaar/models/Worker.java

```
package com.example.localbazaar.models;

public class Worker {
    private String id;
    private String name;
    private String service;
    private String phone;
    private double rating;

    public Worker() {}

    public Worker(String id, String name, String service, String phone,
double rating) {
        this.id = id;
        this.name = name;
        this.service = service;
        this.phone = phone;
        this.rating = rating;
    }
}
```

```
public String getId() { return id; }
public void setId(String id) { this.id = id; }
public String getName() { return name; }
public void setName(String name) { this.name = name; }
public String getService() { return service; }
public void setService(String service) { this.service = service; }
public String getPhone() { return phone; }
public void setPhone(String phone) { this.phone = phone; }
public double getRating() { return rating; }
public void setRating(double rating) { this.rating = rating; }
}
```

app/src/main/java/com/example/localbazaar/models/Booking.java

```
package com.example.localbazaar.models;

public class Booking {
    private String id;
    private String customerId;
    private String customerName;
    private String workerId;
    private String workerName;
    private String status; // requested, accepted, rejected
    private long timestamp;

    public Booking() {}

    public Booking(String id, String customerId, String customerName, String
workerId, String workerName, String status, long timestamp) {
        this.id = id;
        this.customerId = customerId;
        this.customerName = customerName;
        this.workerId = workerId;
        this.workerName = workerName;
        this.status = status;
        this.timestamp = timestamp;
    }

    // getters and setters
    public String getId() { return id; }
    public void setId(String id) { this.id = id; }
    public String getCustomerId() { return customerId; }
    public void setCustomerId(String customerId) { this.customerId =
customerId; }
    public String getCustomerName() { return customerName; }
    public void setCustomerName(String customerName) { this.customerName =
customerName; }
    public String getWorkerId() { return workerId; }
```

```
    public void setWorkerId(String workerId) { this.workerId = workerId; }
    public String getWorkerName() { return workerName; }
    public void setWorkerName(String workerName) { this.workerName =
workerName; }
    public String getStatus() { return status; }
    public void setStatus(String status) { this.status = status; }
    public long getTimestamp() { return timestamp; }
    public void setTimestamp(long timestamp) { this.timestamp = timestamp; }
}
```

app/src/main/java/com/example/localbazaar/PrefManager.java

```
package com.example.localbazaar;

import android.content.Context;
import android.content.SharedPreferences;

public class PrefManager {
    private static final String PREF_NAME = "localbazaar_prefs";
    private static final String KEY_ROLE = "role";
    private static final String KEY_UID = "uid";

    private SharedPreferences prefs;

    public PrefManager(Context context) {
        prefs = context.getSharedPreferences(PREF_NAME,
Context.MODE_PRIVATE);
    }

    public void setRole(String role) { prefs.edit().putString(KEY_ROLE,
role).apply(); }
    public String getRole() { return prefs.getString(KEY_ROLE, null); }
    public void setUID(String uid) { prefs.edit().putString(KEY_UID,
uid).apply(); }
    public String getUID() { return prefs.getString(KEY_UID, null); }
    public void clearAll() { prefs.edit().clear().apply(); }
}
```

app/src/main/java/com/example/localbazaar/SplashActivity.java

```
package com.example.localbazaar;

import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import androidx.appcompat.app.AppCompatActivity;
```

```

import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;

public class SplashActivity extends AppCompatActivity {
    private FirebaseAuth auth;
    private PrefManager pref;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        pref = new PrefManager(this);
        auth = FirebaseAuth.getInstance();
        setContentView(R.layout.activity_splash);

        new Handler().postDelayed(() -> {
            FirebaseUser user = auth.getCurrentUser();
            if (user == null) {
                startActivity(new Intent(SplashActivity.this,
RoleSelectionActivity.class));
            } else {
                String role = pref.getRole();
                if ("worker".equals(role)) {
                    startActivity(new Intent(SplashActivity.this,
WorkerHomeActivity.class));
                } else if ("customer".equals(role)) {
                    startActivity(new Intent(SplashActivity.this,
CustomerHomeActivity.class));
                } else {
                    startActivity(new Intent(SplashActivity.this,
RoleSelectionActivity.class));
                }
            }
            finish();
        }, 800);
    }
}

```

app/src/main/java/com/example/localbazaar/RoleSelectionActivity.java

```

package com.example.localbazaar;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import androidx.appcompat.app.AppCompatActivity;

public class RoleSelectionActivity extends AppCompatActivity {
    Button btnWorker, btnCustomer;

```

```

PrefManager pref;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    pref = new PrefManager(this);
    setContentView(R.layout.activity_role_selection);

    btnWorker = findViewById(R.id.btnWorker);
    btnCustomer = findViewById(R.id.btnCustomer);

    btnWorker.setOnClickListener(v -> {
        pref.setRole("worker");
        startActivity(new Intent(RoleSelectionActivity.this,
SignInActivity.class));
        finish();
    });

    btnCustomer.setOnClickListener(v -> {
        pref.setRole("customer");
        startActivity(new Intent(RoleSelectionActivity.this,
SignInActivity.class));
        finish();
    });
}
}

```

app/src/main/java/com/example/localbazaar/SignInActivity.java

```

package com.example.localbazaar;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
import com.google.firebase.firestore.FirebaseFirestore;
import java.util.HashMap;
import java.util.Map;

public class SignInActivity extends AppCompatActivity {
    EditText etEmail, etPassword, etName;
    Button btnSignIn, btnSignUp;

```

```

ProgressBar progressBar;
FirebaseAuth auth;
PrefManager pref;
FirebaseFirestore db;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    pref = new PrefManager(this);
    setContentView(R.layout.activity_sign_in);

    auth = FirebaseAuth.getInstance();
    db = FirebaseFirestore.getInstance();

    etEmail = findViewById(R.id.etEmail);
    etPassword = findViewById(R.id.etPassword);
    btnSignIn = findViewById(R.id.btnSignIn);
    btnSignUp = findViewById(R.id.btnSignUp);
    progressBar = findViewById(R.id.progressBar);

    btnSignIn.setOnClickListener(v -> signIn());
    btnSignUp.setOnClickListener(v -> signUp());
}

private void signIn() {
    String email = etEmail.getText().toString().trim();
    String pass = etPassword.getText().toString().trim();
    if (TextUtils.isEmpty(email)) { etEmail.setError("Enter email");
return; }
    if (TextUtils.isEmpty(pass) || pass.length() < 6) {
etPassword.setError("Password >=6"); return; }
    progressBar.setVisibility(android.view.View.VISIBLE);
    auth.signInWithEmailAndPassword(email, pass)
        .addOnSuccessListener(authResult -> {
            progressBar.setVisibility(android.view.View.GONE);
            FirebaseUser user = auth.getCurrentUser();
            if (user != null) {
                pref.setUID(user.getUid());
                navigateByRole();
            }
        })
        .addOnFailureListener(e -> {
            progressBar.setVisibility(android.view.View.GONE);
            Toast.makeText(SignInActivity.this, "Sign in failed: " +
e.getMessage(), Toast.LENGTH_LONG).show();
        });
}

private void signUp() {
    String email = etEmail.getText().toString().trim();
    String pass = etPassword.getText().toString().trim();

```

```

        if (TextUtils.isEmpty(email)) { etEmail.setError("Enter email");
return; }
        if (TextUtils.isEmpty(pass) || pass.length() < 6) {
etPassword.setError("Password >=6"); return; }
        progressBar.setVisibility(android.view.View.VISIBLE);
auth.createUserWithEmailAndPassword(email, pass)
        .addOnSuccessListener(authResult -> {
            FirebaseUser user = auth.getCurrentUser();
            if (user != null) {
                String uid = user.getUid();
                pref.setUID(uid);
                // create basic profile in Firestore
                Map<String, Object> profile = new HashMap<>();
                profile.put("email", email);
                profile.put("role", pref.getRole());
                profile.put("createdAt", System.currentTimeMillis());
                db.collection("users").document(uid).set(profile)
                    .addOnSuccessListener(aVoid -> {

progressBar.setVisibility(android.view.View.GONE);
                    navigateByRole();
                })
                    .addOnFailureListener(e -> {

progressBar.setVisibility(android.view.View.GONE);
                    Toast.makeText(SignInActivity.this,
"Profile save failed: " + e.getMessage(), Toast.LENGTH_LONG).show();
                });
            }
        })
        .addOnFailureListener(e -> {
            progressBar.setVisibility(android.view.View.GONE);
            Toast.makeText(SignInActivity.this, "Sign up failed: " +
e.getMessage(), Toast.LENGTH_LONG).show();
        });
    }

    private void navigateByRole() {
        String role = pref.getRole();
        if ("worker".equals(role)) {
            startActivity(new Intent(SignInActivity.this,
WorkerHomeActivity.class));
        } else {
            startActivity(new Intent(SignInActivity.this,
CustomerHomeActivity.class));
        }
        finish();
    }
}

```

app/src/main/java/com/example/localbazaar/CustomerHomeActivity.java

```
package com.example.localbazaar;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import androidx.appcompat.app.AppCompatActivity;
import com.google.firebase.auth.FirebaseAuth;

public class CustomerHomeActivity extends AppCompatActivity {
    Button btnLogout, btnViewWorkers;
    PrefManager pref;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        pref = new PrefManager(this);
        setContentView(R.layout.activity_customer_home);

        btnLogout = findViewById(R.id.btnLogout);
        btnViewWorkers = findViewById(R.id.btnViewWorkers);

        btnViewWorkers.setOnClickListener(v -> startActivity(new Intent(CustomerHomeActivity.this, WorkerListActivity.class)));

        btnLogout.setOnClickListener(v -> {
            FirebaseAuth.getInstance().signOut();
            pref.clearAll();
            startActivity(new Intent(CustomerHomeActivity.this, RoleSelectionActivity.class));
            finish();
        });
    }
}
```

app/src/main/java/com/example/localbazaar/WorkerHomeActivity.java

```
package com.example.localbazaar;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import androidx.appcompat.app.AppCompatActivity;
import com.google.firebase.auth.FirebaseAuth;

public class WorkerHomeActivity extends AppCompatActivity {
    Button btnLogout, btnBookings;
```

```

PrefManager pref;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    pref = new PrefManager(this);
    setContentView(R.layout.activity_worker_home);

    btnLogout = findViewById(R.id.btnLogout);
    btnBookings = findViewById(R.id.btnBookings);

    btnBookings.setOnClickListener(v -> startActivity(new Intent(WorkerHomeActivity.this, BookingListActivity.class)));

    btnLogout.setOnClickListener(v -> {
        FirebaseAuth.getInstance().signOut();
        pref.clearAll();
        startActivity(new Intent(WorkerHomeActivity.this, RoleSelectionActivity.class));
        finish();
    });
}
}

```

app/src/main/java/com/example/localbazaar/WorkerListActivity.java

```

package com.example.localbazaar;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ProgressBar;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import com.example.localbazaar.models.Worker;
import com.google.firebase.firestore.FirebaseFirestore;
import com.google.firebase.firestore.QueryDocumentSnapshot;
import java.util.ArrayList;
import java.util.List;

public class WorkerListActivity extends AppCompatActivity implements
WorkerAdapter.OnWorkerClickListener {
    RecyclerView rvWorkers;
    ProgressBar progressBar;
    FirebaseFirestore db;

```

```

WorkerAdapter adapter;
List<Worker> list = new ArrayList<>();

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_worker_list);
    rvWorkers = findViewById(R.id.rvWorkers);
    progressBar = findViewById(R.id.progressBar);
    db = FirebaseFirestore.getInstance();

    adapter = new WorkerAdapter(list, this);
    rvWorkers.setLayoutManager(new LinearLayoutManager(this));
    rvWorkers.setAdapter(adapter);

    loadWorkers();
}

private void loadWorkers() {
    progressBar.setVisibility(View.VISIBLE);
    db.collection("workers").get().addOnCompleteListener(task -> {
        progressBar.setVisibility(View.GONE);
        if (task.isSuccessful()) {
            list.clear();
            for (QueryDocumentSnapshot doc : task.getResult()) {
                Worker w = doc.toObject(Worker.class);
                w.setId(doc.getId());
                list.add(w);
            }
            adapter.notifyDataSetChanged();
        } else {
            Toast.makeText(this, "Failed to load workers",
                    Toast.LENGTH_SHORT).show();
        }
    });
}

@Override
public void onWorkerClick(Worker worker) {
    Intent i = new Intent(this, WorkerDetailActivity.class);
    i.putExtra("workerId", worker.getId());
    startActivity(i);
}
}

```

app/src/main/java/com/example/localbazaar/WorkerAdapter.java

```
package com.example.localbazaar;

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;
import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;
import com.example.localbazaar.models.Worker;
import java.util.List;

public class WorkerAdapter extends RecyclerView.Adapter<WorkerAdapter.VH> {
    List<Worker> list;
    OnWorkerClickListener listener;

    public interface OnWorkerClickListener { void onWorkerClick(Worker worker); }

    public WorkerAdapter(List<Worker> list, OnWorkerClickListener listener) {
        this.list = list;
        this.listener = listener;
    }

    @NonNull
    @Override
    public VH onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        View v =
LayoutInflator.from(parent.getContext()).inflate(R.layout.item_worker,
parent, false);
        return new VH(v);
    }

    @Override
    public void onBindViewHolder(@NonNull VH holder, int position) {
        Worker w = list.get(position);
        holder.tvName.setText(w.getName());
        holder.tvService.setText(w.getService());
        holder.tvRating.setText(String.valueOf(w.getRating()));
        holder.itemView.setOnClickListener(v -> listener.onWorkerClick(w));
    }

    @Override
    public int getItemCount() { return list.size(); }

    static class VH extends RecyclerView.ViewHolder {
        TextView tvName, tvService, tvRating;
        public VH(@NonNull View itemView) {
            super(itemView);
            tvName = itemView.findViewById(R.id.tvName);
            tvService = itemView.findViewById(R.id.tvService);
```

```
        tvRating = itemView.findViewById(R.id.tvRating);
    }
}
}
```

app/src/main/java/com/example/localbazaar/WorkerDetailActivity.java

```
package com.example.localbazaar;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ProgressBar;
import android.widget.TextView;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import com.example.localbazaar.models.Booking;
import com.example.localbazaar.models.Worker;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
import com.google.firebaseio.firestore.DocumentSnapshot;
import com.google.firebaseio.firestore.FirebaseFirestore;
import java.util.HashMap;
import java.util.Map;

public class WorkerDetailActivity extends AppCompatActivity {
    TextView tvName, tvService, tvPhone, tvRating;
    Button btnBook;
    ProgressBar progressBar;
    FirebaseFirestore db;
    String workerId;
    Worker worker;
    PrefManager pref;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_worker_detail);
        tvName = findViewById(R.id.tvName);
        tvService = findViewById(R.id.tvService);
        tvPhone = findViewById(R.id.tvPhone);
        tvRating = findViewById(R.id.tvRating);
        btnBook = findViewById(R.id.btnBook);
        progressBar = findViewById(R.id.progressBar);
        db = FirebaseFirestore.getInstance();
        pref = new PrefManager(this);

        workerId = getIntent().getStringExtra("workerId");
    }
}
```

```

        loadWorker();

        btnBook.setOnClickListener(v -> createBooking());
    }

    private void loadWorker() {
        progressBar.setVisibility(View.VISIBLE);

        db.collection("workers").document(workerId).get().addOnSuccessListener(doc -> {
            progressBar.setVisibility(View.GONE);
            if (doc.exists()) {
                worker = doc.toObject(Worker.class);
                worker.setId(doc.getId());
                tvName.setText(worker.getName());
                tvService.setText(worker.getService());
                tvPhone.setText(worker.getPhone());
                tvRating.setText(String.valueOf(worker.getRating()));
            }
        }).addOnFailureListener(e -> {
            progressBar.setVisibility(View.GONE);
            Toast.makeText(this, "Failed to load",
            Toast.LENGTH_SHORT).show();
        });
    }

    private void createBooking() {
        FirebaseUser user = FirebaseAuth.getInstance().getCurrentUser();
        if (user == null) { Toast.makeText(this, "Please sign in",
        Toast.LENGTH_SHORT).show(); return; }
        progressBar.setVisibility(View.VISIBLE);
        String bookingId = db.collection("bookings").document().getId();
        Booking b = new Booking(bookingId, user.getUid(), user.getEmail(),
        worker.getId(), worker.getName(), "requested", System.currentTimeMillis());
        Map<String, Object> map = new HashMap<>();
        map.put("customerId", b.getCustomerId());
        map.put("customerName", b.getCustomerName());
        map.put("workerId", b.getWorkerId());
        map.put("workerName", b.getWorkerName());
        map.put("status", b.getStatus());
        map.put("timestamp", b.getTimestamp());

        db.collection("bookings").document(bookingId).set(map)
            .addOnSuccessListener(aVoid -> {
                progressBar.setVisibility(View.GONE);
                Toast.makeText(this, "Booking requested",
                Toast.LENGTH_SHORT).show();
            }).addOnFailureListener(e -> {
                progressBar.setVisibility(View.GONE);
                Toast.makeText(this, "Booking failed: " + e.getMessage(),
                Toast.LENGTH_LONG).show();
            });
    }
}

```

```
        });
    }
}
```

app/src/main/java/com/example/localbazaar/BookingListActivity.java

```
package com.example.localbazaar;

import android.os.Bundle;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.ProgressBar;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.firebaseio.FirebaseFirestore;
import com.google.firebaseio.firestore.QueryDocumentSnapshot;
import java.util.ArrayList;
import java.util.List;

public class BookingListActivity extends AppCompatActivity {
    ListView lvBookings;
    ProgressBar progressBar;
    FirebaseFirestore db;
    List<String> items = new ArrayList<>();
    ArrayAdapter<String> adapter;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_booking_list);
        lvBookings = findViewById(R.id.lvBookings);
        progressBar = findViewById(R.id.progressBar);
        db = FirebaseFirestore.getInstance();

        adapter = new ArrayAdapter<>(this,
            android.R.layout.simple_list_item_1, items);
        lvBookings.setAdapter(adapter);

        loadBookingsForWorker();
    }

    private void loadBookingsForWorker() {
        String uid = FirebaseAuth.getInstance().getCurrentUser().getUid();
        progressBar.setVisibility(View.VISIBLE);
        db.collection("bookings").whereEqualTo("workerId",
            uid).get().addOnCompleteListener(task -> {
```

```

        progressBar.setVisibility(View.GONE);
        if (task.isSuccessful()) {
            items.clear();
            for (QueryDocumentSnapshot doc : task.getResult()) {
                String s = doc.getString("customerName") + " - " +
doc.getString("status");
                items.add(s);
            }
            adapter.notifyDataSetChanged();
        } else {
            Toast.makeText(this, "Failed to load",
Toast.LENGTH_SHORT).show();
        }
    });
}
}

```

Layout XML files

app/src/main/res/layout/activity_splash.xml

```

<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white">

    <TextView
        android:layout_gravity="center"
        android:text="LocalBazaar"
        android:textSize="28sp"
        android:textStyle="bold"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />
</FrameLayout>

```

app/src/main/res/layout/activity_role_selection.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:gravity="center"
    android:padding="24dp"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

```

```

<TextView
    android:text="Choose Role"
    android:textSize="22sp"
    android:textStyle="bold"
    android:layout_marginBottom="20dp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"/>

<Button
    android:id="@+id	btnWorker"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="I am a Worker"
    android:layout_marginBottom="12dp"/>

<Button
    android:id="@+id	btnCustomer"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="I am a Customer"/>
</LinearLayout>

```

app/src/main/res/layout/activity_sign_in.xml

```

<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="24dp">

    <LinearLayout
        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <TextView
            android:text="Sign in / Sign up"
            android:textSize="20sp"
            android:textStyle="bold"
            android:layout_marginBottom="16dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"/>

        <EditText
            android:id="@+id/etEmail"
            android:hint="Email"
            android:inputType="textEmailAddress"

```

```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

    <EditText
        android:id="@+id/etPassword"
        android:hint="Password"
        android:inputType="textPassword"
        android:layout_marginTop="8dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

    <ProgressBar
        android:id="@+id/progressBar"
        android:layout_marginTop="12dp"
        android:visibility="gone"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <Button
        android:id="@+id/btnSignIn"
        android:layout_marginTop="16dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Sign In"/>

    <Button
        android:id="@+id/btnSignUp"
        android:layout_marginTop="8dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Sign Up"/>

</LinearLayout>
</ScrollView>

```

app/src/main/res/layout/activity_customer_home.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:padding="16dp"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:text="Customer Home"
        android:textSize="20sp"
        android:textStyle="bold"

```

```

        android:layout_marginBottom="16dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <Button
        android:id="@+id/btnViewWorkers"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="View Workers"/>

    <Button
        android:id="@+id/btnLogout"
        android:layout_marginTop="12dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Logout"/>

</LinearLayout>

```

app/src/main/res/layout/activity_worker_home.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:padding="16dp"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:text="Worker Home"
        android:textSize="20sp"
        android:textStyle="bold"
        android:layout_marginBottom="16dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <Button
        android:id="@+id/btnBookings"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="View Bookings"/>

    <Button
        android:id="@+id/btnLogout"
        android:layout_marginTop="12dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Logout"/>

```

```
</LinearLayout>
```

app/src/main/res/layout/activity_worker_list.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:padding="12dp"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ProgressBar
        android:id="@+id/progressBar"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:visibility="gone" />

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rvWorkers"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</LinearLayout>
```

app/src/main/res/layout/item_worker.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:padding="12dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <TextView
        android:id="@+id/tvName"
        android:textStyle="bold"
        android:textSize="16sp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />

    <TextView
        android:id="@+id/tvService"
        android:layout_marginTop="4dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />
```

```
<TextView  
    android:id="@+id/tvRating"  
    android:layout_marginTop="4dp"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content" />  
</LinearLayout>
```

app/src/main/res/layout/activity_worker_detail.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:padding="16dp">  
  
<LinearLayout  
    android:orientation="vertical"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content">  
  
<TextView  
    android:id="@+id/tvName"  
    android:textSize="18sp"  
    android:textStyle="bold"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content" />  
  
<TextView  
    android:id="@+id/tvService"  
    android:layout_marginTop="8dp"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content" />  
  
<TextView  
    android:id="@+id/tvPhone"  
    android:layout_marginTop="8dp"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content" />  
  
<TextView  
    android:id="@+id/tvRating"  
    android:layout_marginTop="8dp"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content" />  
  
<ProgressBar  
    android:id="@+id/progressBar"
```

```
        android:layout_marginTop="12dp"
        android:visibility="gone"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />

    <Button
        android:id="@+id/btnBook"
        android:layout_marginTop="16dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Book" />
</LinearLayout>
</ScrollView>
```

app/src/main/res/layout/activity_booking_list.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:padding="12dp"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ProgressBar
        android:id="@+id/progressBar"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:visibility="gone" />

    <ListView
        android:id="@+id/lvBookings"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</LinearLayout>
```

app/src/main/res/values/strings.xml

```
<resources>
    <string name="app_name">LocalBazaar</string>
</resources>
```

```
app/src/main/res/values/colors.xml
```

```
<resources>
    <color name="white">#FFFFFF</color>
</resources>
```

```
README.md
```

```
# LocalBazaar (complete minimal)
```

This project includes Authentication (Firebase Auth), Firestore usage for workers and bookings, and simple role-based flow.

Steps to run:

1. Add `google-services.json` to `app/` (from Firebase Console for package `com.example.localbazaar`).
2. Enable Email/Password auth.
3. Create Firestore collection `workers` and add worker documents (name, service, phone, rating).
4. Run the app. Sign up as a customer and test booking flow.

After you paste files — testing checklist

1. Sync Gradle. If Java compatibility error, change `sourceCompatibility` / `targetCompatibility` to Java 11 in `app/build.gradle`.
2. Add `google-services.json` to `app/` and rebuild.
3. If any dependency errors appear, take a screenshot and paste here — I will fix versions.

If you want, I can now: - Produce a ZIP file content you can copy into `/mnt/data` for download — tell me and I will create files here. - Or guide you step-by-step while you paste into Android Studio.

Which do you prefer? If ready, say "**Make ZIP**" or "**Guide me**" and I will proceed.