

Local Discount Finder - Barcode Scanner Feature

Tools:

- Flutter plugin: `qr_code_scanner` or `mobile_scanner` (supports QR + barcode)

Step 1: Add dependencies to pubspec.yaml

dependencies:

flutter:

 sdk: flutter

mobile_scanner: ^3.2.0

Step 2: Create scanner_screen.dart

```
import 'package:flutter/material.dart';
```

```
import 'package:mobile_scanner/mobile_scanner.dart';
```

```
class ScannerScreen extends StatefulWidget {  
  @override  
  _ScannerScreenState createState() => _ScannerScreenState();  
}
```

```
class _ScannerScreenState extends State<ScannerScreen> {  
  String scannedData = "";
```

```
  void _onDetect(BarcodeCapture barcode) {  
    final code = barcode.barcodes.first.rawValue ?? '---';  
    setState(() {  
      scannedData = code;  
    });  
    Navigator.pop(context, code); // Return result to previous screen  
  }
```

@override

```
Widget build(BuildContext context) {  
  return Scaffold(  
    appBar: AppBar(title: Text('Scan Product')),  
    body: Column(  
      children: [  
        Expanded(  
          child: MobileScanner(onDetect: _onDetect),  
        ),  
        if (scannedData.isNotEmpty)  
          Padding(  
            padding: EdgeInsets.all(16),  
            child: Text('Scanned: \${scannedData}'),  
          )  
      ],  
    ),  
  );  
}
```

Step 3: Trigger Scanner from Home Screen

```
ElevatedButton(  
  onPressed: () async {  
    final result = await Navigator.push(  
      context,  
      MaterialPageRoute(builder: (_) => ScannerScreen()),  
    );  
  
    if (result != null) {  
      ScaffoldMessenger.of(context).showSnackBar(  
        SnackBar(content: Text('Scanned Code: \${result}')),  
      );  
    }  
  }  
)
```

```
    }  
  },  
  child: Text("Scan Product"),  
),
```

Next Steps

- Look up price for scanned code in local DB
- Community update option for missing items
- Rewarding users for sharing/updating deals