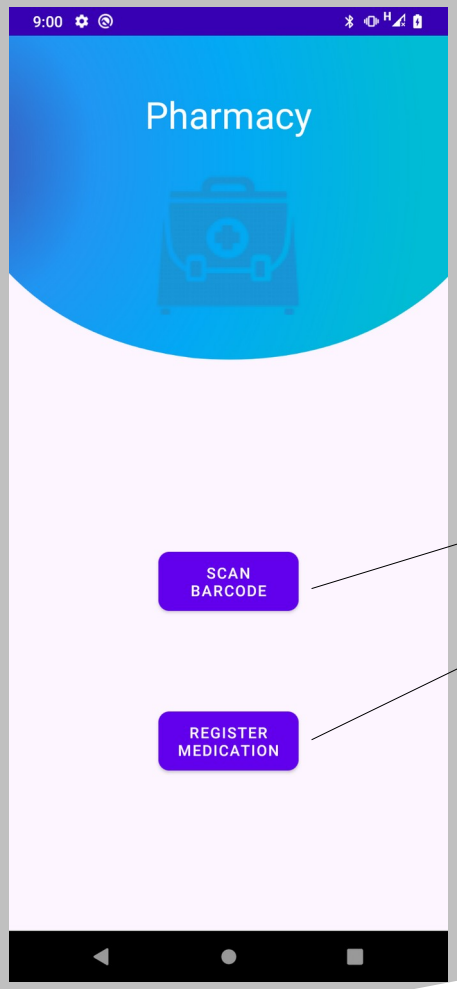
Pharmacy in Box

Introdução

- No Brasil existe uma farmácia (ou drogaria) para cada 3.300 habitantes e o País está entre os dez que mais consomem medicamentos no mundo, segundo dados do Conselho Federal de Farmácia. O acesso a farmácias e drogarias e a facilidade na aquisição de medicamentos no popularmente conhecido "balcão da farmácia" promovem um aumento no consumo de medicamentos pela maioria da população brasileira. (conselho nacional de saúde).

- O objetivo da aplicação é cadastrar os medicamentos comprados antes de guarda-los na caixa de medicamentos. Pois, há momentos que compramos novos remédios sem saber que tem na caixa de medicamentos e quando vamos fazer a consulta na caixa muitas vezes nem lembramos pra quê compramos aquele remédio e qual a sua serventia para a saúde, por esse motivo o uso do aplicativo será essencial para o usuário pois, o mesmo irá ler o codigo de barra da caixa e vai saber pra quê serve aquele medicamento e quando vai vencer assim, vamos evitar esses gastos. A proposta é simples mas, com o passar do tempo deve ser apŕimorada.

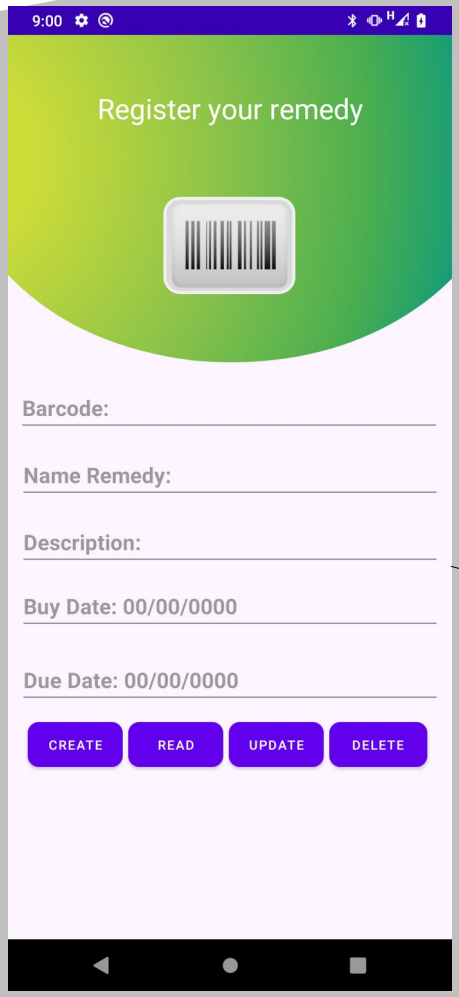
Tela Home



MAINACTIVITY.JAVA

```
public class MainActivity extends AppCompatActivity {
Button btnScanner, btnRegister;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        btnScanner = findViewById(R.id.btnScanner);
        btnRegister = findViewById(R.id.btnRegister);
        final Activity activity = this;
```

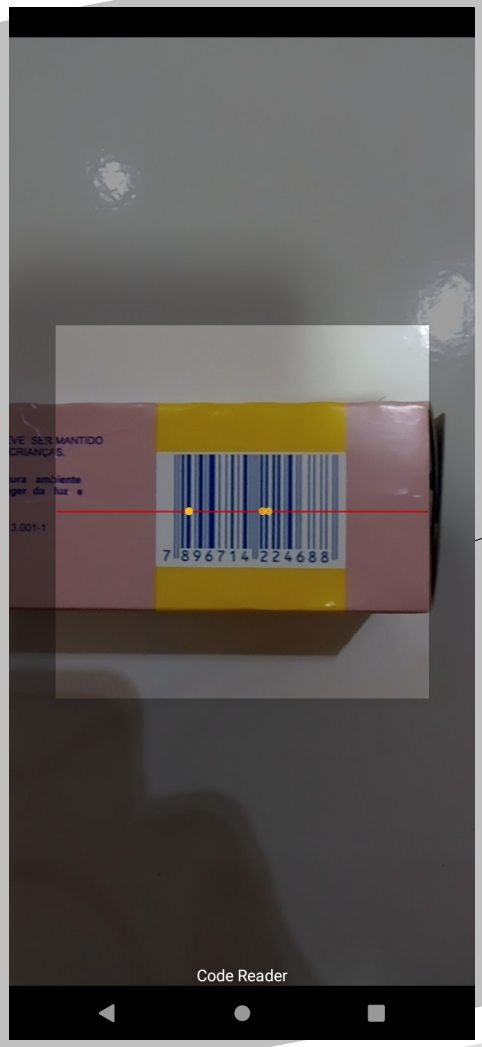
Register Screen



REGISTERMEDICATIONACTIVITY.JAVA

```
public class RegisterMedicationActivity extends
AppCompatActivity {
    Button btnInsertData, btnDeleteData, btnUpdateData,
btnReadData;
    EditText textBarcode, textDescription, textNameRemedy,
textDateBuy, textDueDate;
    ImageButton btnImageBarcode;
    String barCodeResult;

    DatabaseMedication myDB;

    @SuppressLint("WrongViewCast")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register_medication);

        myDB = new DatabaseMedication(this);  // created object
of DatabaseMedication class
        myDB.getWritableDatabase(); // for checking db is created
or not.

        btnInsertData = findViewById(R.id.btnInsertData);
        btnDeleteData = findViewById(R.id.btnDeleteData);
        btnUpdateData = findViewById(R.id.btnUpdateData);
        btnReadData = findViewById(R.id.btnReadData);
        btnImageBarcode = findViewById(R.id.btnImageBarcode);

        textBarcode = findViewById(R.id.textBarcode);
        textNameRemedy = findViewById(R.id.textNameRemedy);
        textDescription = findViewById(R.id.textDescription);
        textDateBuy = findViewById(R.id.textBuyDate);
        textDueDate = findViewById(R.id.textDueDate);
```

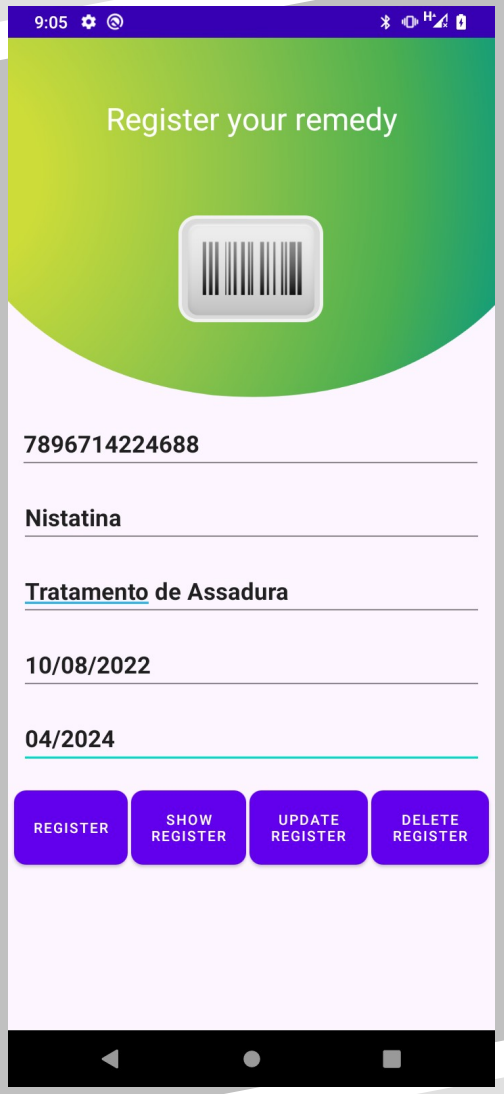
Scan Barcode

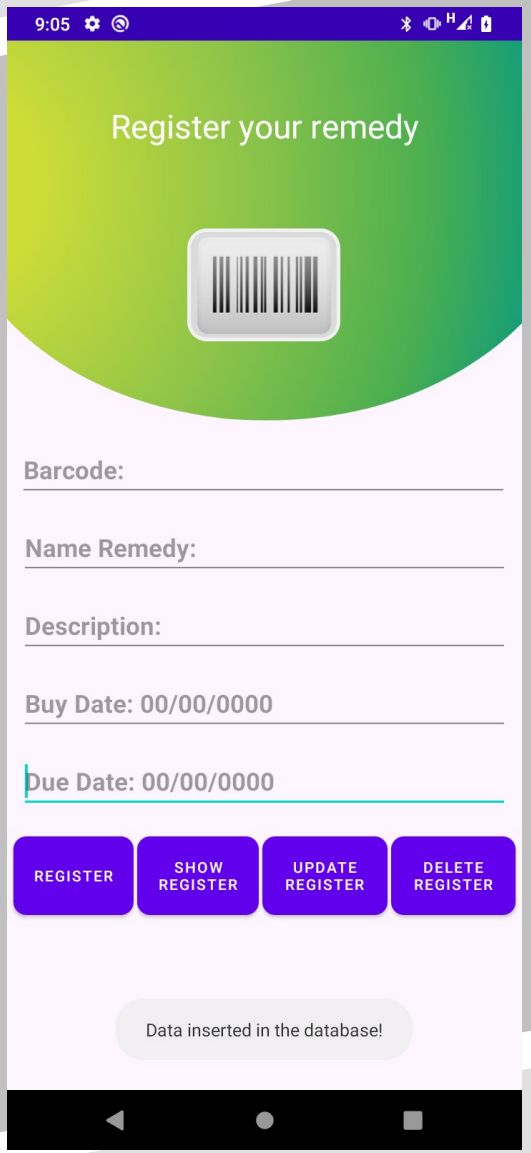


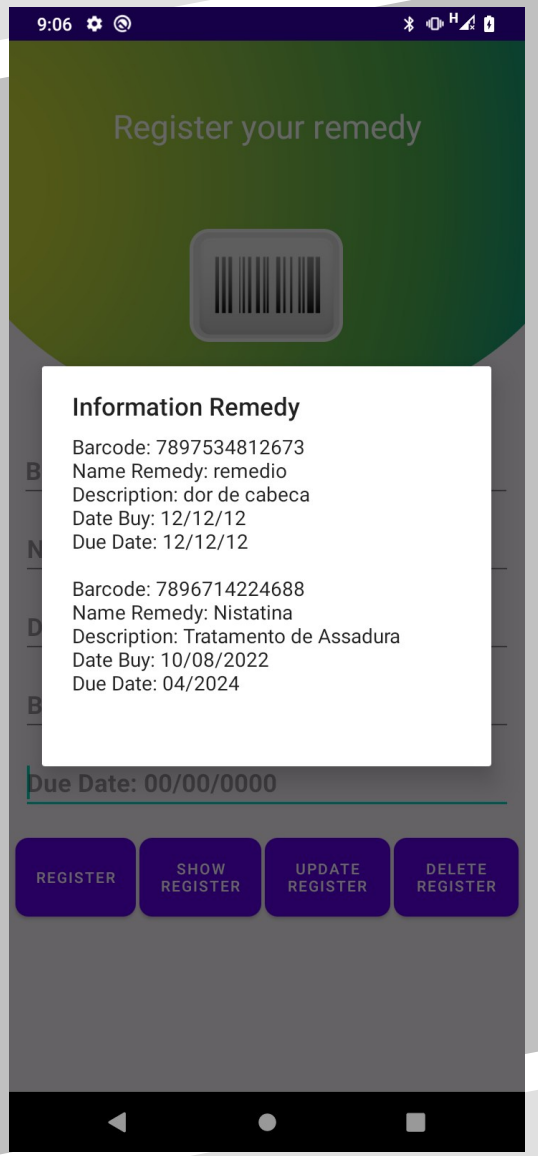
REGISTERMDICATIONACTIVITY.JAVA

```
btnImageBarcode.setOnClickListener(view -> {
    IntentIntegrator scanner = new
IntentIntegrator(registerMedication);

scanner.setDesiredBarcodeFormats(IntentIntegrator.ALL_CODE
_TYPES);
    scanner.setPrompt("Code Reader");
    scanner.setCameraId(0);
    scanner.initiateScan();
});

@Override
protected void onActivityResult(int requestCode, int
resultCode, Intent data) {
    IntentResult barCode =
IntentIntegrator.parseActivityResult(requestCode, resultCode,
data);
    if (barCode.getContents() != null) {
        barCodeResult = barCode.getContents();
        textBarcode.setText(barCodeResult);
    } else {
        alert("Barcode Reader Canceled");
    }
    super.onActivityResult(requestCode, resultCode, data);
}

private void alert(String messageToast) {
    Toast.makeText(getApplicationContext(), messageToast,
Toast.LENGTH_LONG).show();
}
```

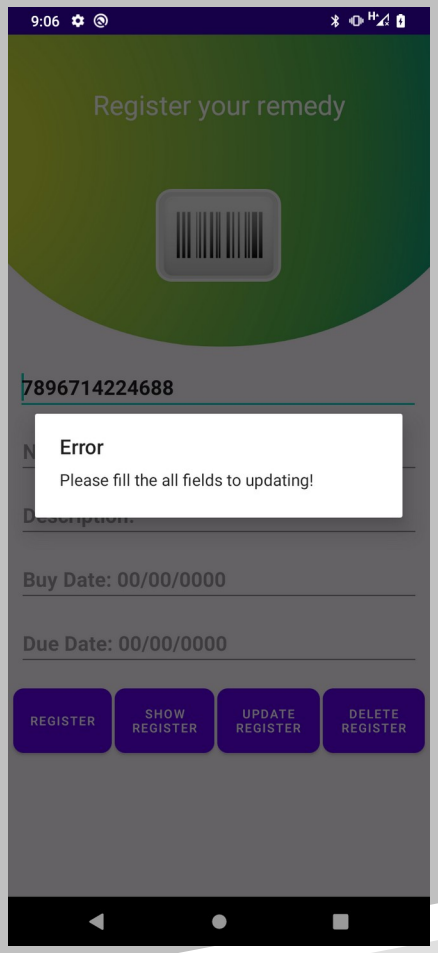
Register Screen

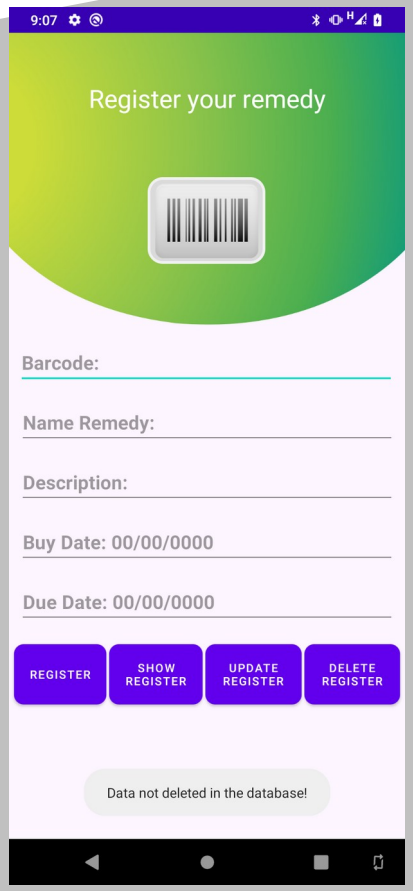






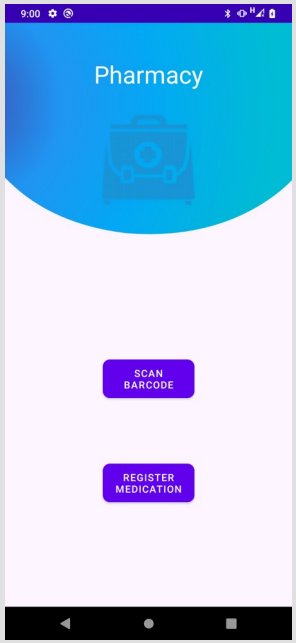
Register Screen

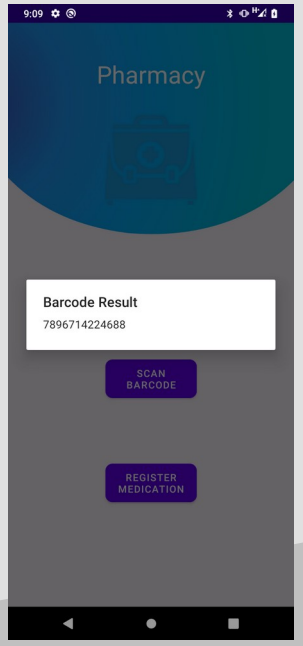


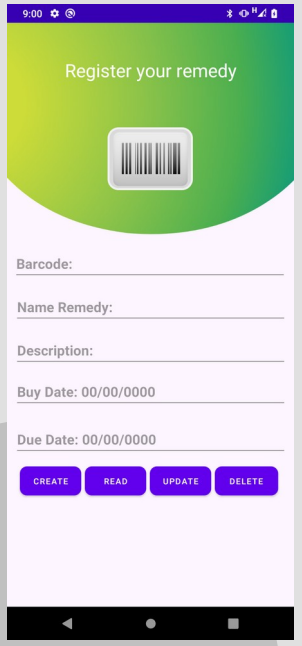


DATABASEMEDICATION.JAVA

```
public boolean insertData(String barcode,String name_remedy,
String description, String buy_date, String due_date) {
    SQLiteDatabase db = this.getReadableDatabase();
    ContentValues contentValues = new ContentValues();

    contentValues.put(TABLE_COL_2, barcode);
    contentValues.put(TABLE_COL_3, name_remedy);
    contentValues.put(TABLE_COL_4, description);
    contentValues.put(TABLE_COL_5, buy_date);
    contentValues.put(TABLE_COL_6, due_date);

    // Insert contents into database
    long success = db.insert(TABLE_NAME, null, contentValues);

    // when query not inserted into database
    return success != -1;
}

// Read all Data from Database using CURSOR to pick one by
one row
public Cursor getAllData() {
    SQLiteDatabase db = this.getReadableDatabase();
    Cursor cursor = db.rawQuery("select * from " +
TABLE_NAME, null);
    return cursor;
}
```


9:00
Pharmacy
SCAN BARCODE
REGISTER MEDICATION


9:09
Pharmacy
Barcode Result
7896714224688
SCAN BARCODE
REGISTER MEDICATION


9:00
Register your remedy
Barcode:
Name Remedy:
Description:
Buy Date: 00/00/0000
Due Date: 00/00/0000
CREATE
READ
UPDATE
DELETE

“Obrigado!”