LABORATORIO 6 Bank Application Software Development, part 4

1. Repository

a. https://github.com/un-sei2019i-labs-notimportant/bank

2. Visual proof

```
Juan Carlos@Reimu MINGM64 /d/D/bank (develop)

$ git commit -m "Uploading the app with all the features needed for Lab #6"
[develop 8bc79a9] Uploading the app with all the features needed for Lab #6

100 files changed, 1967 insertions(+), 247 deletions(-)
rewrite mobile-app/Bank-app/.gitignore (86%)
create mode 100644 mobile-app/Bank-app/.idea/caches/gradle_models.ser
create mode 100644 mobile-app/Bank-app/app/.gitignore
create mode 100644 mobile-app/Bank-app/app/.gitignore
create mode 100644 mobile-app/Bank-app/app/.idea/caches/build_file_checksums.se

reate mode 100644 mobile-app/Bank-app/app/.idea/caches/gradle_models.ser
create mode 100644 mobile-app/Bank-app/app/.idea/caches/gradle_models.ser
create mode 100644 mobile-app/Bank-app/app/.idea/caches/gradle_models.ser
create mode 100644 mobile-app/Bank-app/app/.idea/encodings.xml
create mode 100644 mobile-app/Bank-app/app/.idea/gradle.xml
create mode 100644 mobile-app/Bank-app/app/.idea/libraries/Gradle_android_arch
_core_common_1_0_0_jar.xml
create mode 100644 mobile-app/Bank-app/app/.idea/libraries/Gradle_android_arch
_lifecycle_common_1_0_0_jar.xml
create mode 100644 mobile-app/Bank-app/app/.idea/libraries/Gradle_android_arch
_lifecycle_common_1_0_0_ajar.xml
create mode 100644 mobile-app/Bank-app/app/.idea/libraries/Gradle_com_android_
support_anjmated_vector_drawable_26.1_0_aar.xml
create mode 100644 mobile-app/Bank-app/app/.idea/libraries/Gradle_com_android_
support_anjmated_vector_drawable_26.1_0_aar.xml
create mode 100644 mobile-app/Bank-app/app/.idea/libraries/Gradle_com_android_
support_constraint_constraint_layout_solver_1_1_3_aar.xml
create mode 100644 mobile-app/Bank-app/app/.idea/libraries/Gradle_com_android_
support_constraint_constraint_layout_solver_1_1_3_jar.xml
create mode 100644 mobile-app/Bank-app/app/.idea/libraries/Gradle_com_android_
support_constraint_constraint_layout_solver_1_1_3_jar.xml
create mode 100644 mobile-app/Bank-app/app/.idea/libraries/Gradle_com_android_
support_constraint_constraint_layout_solver_1_1_3_aar.xml
create mode
```

```
rewrite mobile-app/Bank-app/app/src/main/res/mipmap-mdpi/ic_launcher.png (99%)
rewrite mobile-app/Bank-app/app/src/main/res/mipmap-mdpi/ic_launcher.png (99%)
rewrite mobile-app/Bank-app/app/src/main/res/mipmap-xhdpi/ic_launcher.png (99%)
rewrite mobile-app/Bank-app/app/src/main/res/mipmap-xhdpi/ic_launcher_round.png
(99%)
rewrite mobile-app/Bank-app/app/src/main/res/mipmap-xxhdpi/ic_launcher.png (99%)
rewrite mobile-app/Bank-app/app/src/main/res/mipmap-xxhdpi/ic_launcher_round.pn
g (99%)
rewrite mobile-app/Bank-app/app/src/main/res/mipmap-xxxhdpi/ic_launcher.png (99
%)
rewrite mobile-app/Bank-app/app/src/main/res/mipmap-xxxhdpi/ic_launcher.png (99
%)
rewrite mobile-app/Bank-app/app/src/main/res/mipmap-xxxhdpi/ic_launcher_round.p
ng (99%)
rewrite mobile-app/Bank-app/app/src/test/java/com/example/[bank_app => bankapp]/
ExampleUnitTest.java (78%)
rewrite mobile-app/Bank-app/app/src/test/java/com/example/[bank_app => bankapp]/
ExampleUnitTest.java (78%)

Juan Carlos@Reimu MINGW64 /d/D/bank (develop)
$ git push origin develop
Enumerating objects: 100% (121/121), done.

Gounting objects: 100% (138/138), 173.6i KiB | 3.95 MiB/s, done.
Total 138 (delta 44), reused 0 (delta 0)
remote: Resolving deltas: 100% (44/44), completed with 10 local objects.
Total 138 (delta 44), reused 0 (delta 0)
remote: Resolving deltas: 100% (44/44), completed with 10 local objects.
To https://github.com/un-sei2019i-labs-notimportant/bank.git
0474777.8bc79a9 develop -> develop

Juan Carlos@Reimu MINGW64 /d/D/bank (develop)
$
```

```
Juan Carlos@Reimu MINGW64 /d/D/bank (master)

§ git checkout develop

Switched to branch 'develop',

Juan Carlos@Reimu MINGW64 /d/D/bank (develop)

§ git checkout master

Switched to branch 'master'

Switched to branch 'master'

Your branch is ahead of 'origin/master' by 3 commits.

(use "git push" to publish your local commits)

Juan Carlos@Reimu MINGW64 /d/D/bank (master)

§ git push

Enumerating objects: 1, done.

Counting objects: 100% (1/1), done.

Writing objects: 100% (1/1), 227 bytes | 227.00 KiB/s, done.

Total 1 (delta 0), reused 0 (delta 0)

To https://github.com/un-sei2019i-labs-notimportant/bank.git

7375b2c..fdf4077 master -> master

Juan Carlos@Reimu MINGW64 /d/D/bank (master)

§ git checkout develop

Switched to branch 'develop'

Your branch is up to date with 'origin/develop'.

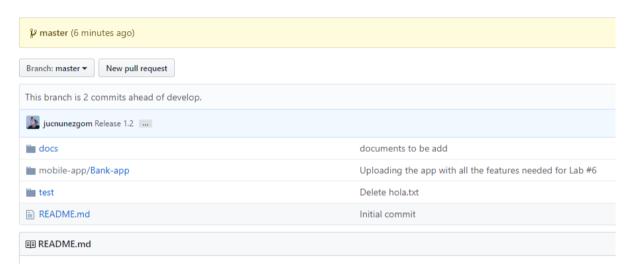
Juan Carlos@Reimu MINGW64 /d/D/bank (develop)

§ git merge --no-ff release-1.2

Already up to date.

Juan Carlos@Reimu MINGW64 /d/D/bank (develop)

§ git push
```



Branch: master ▼ bank / mobile-app / Bank-app / app / src / main / java / com / example / bankapp /

This branch is 2 commits ahead of develop.

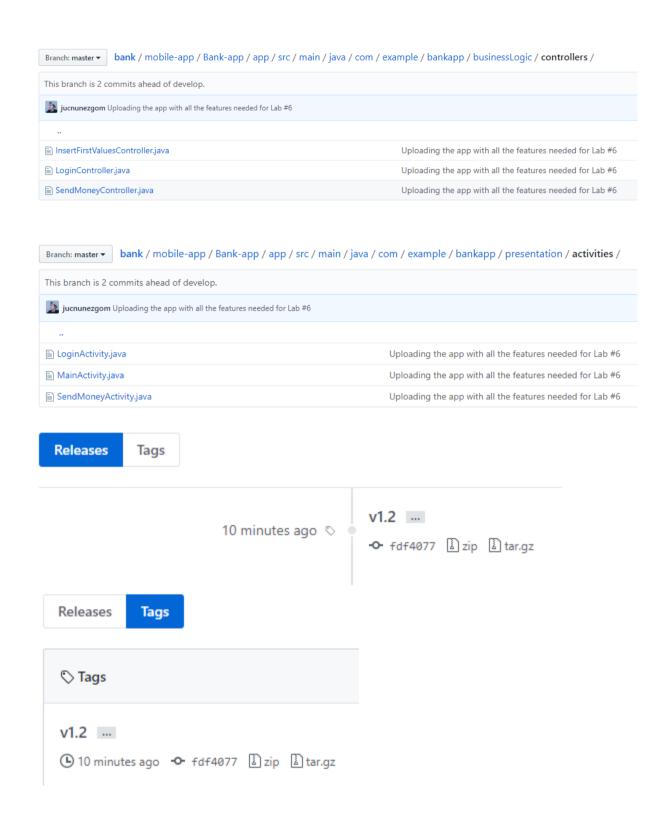
jucnunezgom Uploading the app with all the features needed for Lab #6

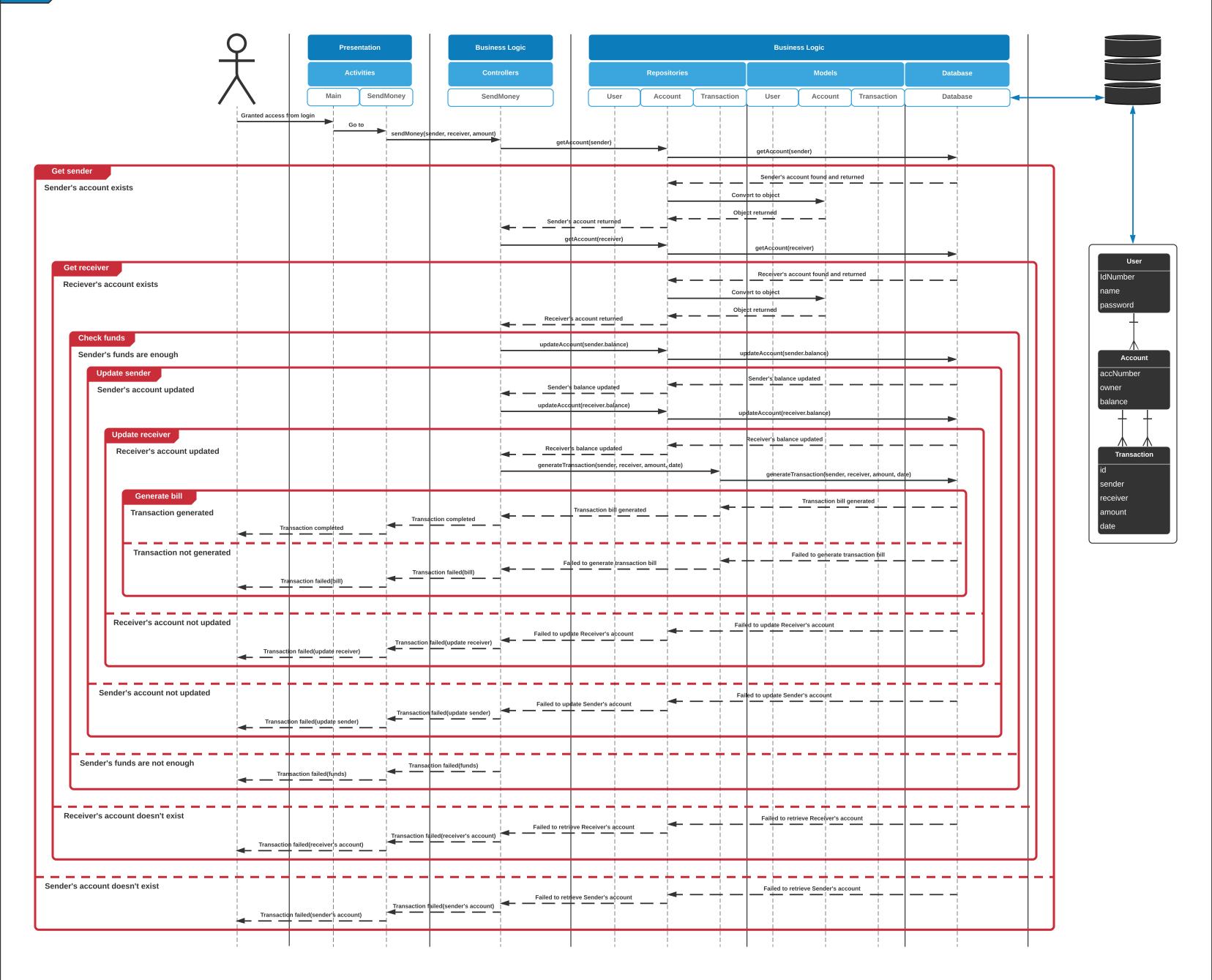
...

businessLogic Uploading the app with all the features needed for Lab #6

dataAccess Uploading the app with all the features needed for Lab #6

presentation Uploading the app with all the features needed for Lab #6





```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
  bank-app | app | src | main | app | ava | com | activities | activitie
                                                                                                                                                                                                                                                                                                          □ 〈 × app ▼ ▶ + 並 □ の 該 ■ № □ 0 Q mm
Andro
                                           🕀 🚡 😊 — © LoginActivity.java × © MainActivity.java × © SendMoneyActivity.java
        Android ▼
                                                                   24 01
                                                                                         protected void onCreate(Bundle savedInstanceState) {
        manifests
                                                                                                  super.onCreate(savedInstanceState):
        ▼ iava
                                                                   26
                                                                                                 setContentView(R.layout.activity login):
            ▼ 🖿 com.example.bankapp
               ▼ 🛅 businessLogic
                                                                   28
                                                                                                 DatabaseManager.init(LoginActivity.this);
                   ▼ 🛅 controllers
                                                                   29
                           InsertFirstValuesController
                                                                   30
                                                                                                 insertFirstValuesController = new InsertFirstValuesController():
                           Compare Login Controller
                                                                   31
                                                                                                 insertFirstValuesController.createEntries();
                           SendMoneyController
                       il filler
                                                                                                 ActionBar actionBar = getSupportActionBar():
                ▶ □ dataAccess
                                                                   34
                                                                                                 actionBar.setTitle("Login");
                ▼ 🛅 presentation

▼    activities

                                                                   36
                                                                                                 et_idnumber = (EditText) findViewById(R.id.et_username);
                           C LoginActivity
                                                                                                 et_password = (EditText) findViewById(R.id.et_password);
                           MainActivity
                                                                   3.8
                           SendMoneyActivity
                                                                                                 Button btn login = findViewBvId(R.id.btn login):
                                                                   39
                        # filler
                                                                   40 01
                                                                                                 btn login.setOnClickListener((view) → {
            com.example.bankapp (androidTest)
                                                                                                                  loginController = new LoginController();
            com.example.bankapp (test)
                                                                   43
        ▶ s generatedJava
                                                                   44
                                                                                                                  try{
        ▶ I res
                                                                   45
                                                                                                                          int idNum = Integer.parseInt(et_idnumber.getText().toString());
       Gradle Scripts
                                                                   46
                                                                                                                          int pass = Integer.parseInt(et_password.getText().toString());
                                                                   47
                                                                                                                          trv
                                                                                                                                   int matchedAccount = loginController.loginNow(idNum, pass):
                                                                   48
                                                                                                                                  if(matchedAccount==0){
                                                                   49
                                                                   50
                                                                                                                                           Toast.makeText(getApplicationContext(), "The data you have entered is incorrect.", Toast.LENGTH_SHORT).show();
                                                                                                                                  }else{
                                                                                                                                           et_idnumber.setText("");
                                                                                                                                           et_password.setText("");
                                                                   54
                                                                                                                                           Intent intent = new Intent(LoginActivity.this, MainActivity.class);
                                                                                                                                           intent.putExtra("currentAccount", String.valueOf(matchedAccount));
                                                                   56
                                                                                                                                           startActivity(intent):
                                                                                                                                           finish();
                                                                   58
                                                                                                                          }catch(Exception e){
                                                                                                                                  Toast. make Text (get Application Context (), "There was a problem with our servers. Please try again later.", Toast. LENGTH_SHORT).sh
                                                                                                                  }catch(Exception e){
                                                                                                                          Toast. makeText(getApplicationContext(), "All fields must be filled.", Toast. LENGTH_SHORT).show();
                                                                   64
                                                                                                 });
      ▶ 4: Run 	≡ 6: Logcat 	≡ TODO @ Profiler 	■ Terminal 		 Suild
                                                                                                                                                                                                                                                                                                                                                                                           Event Log
```

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File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
  bank-app | app | src | main | app | src | main | app | app | src | spending | activities | spending | activities | spending | activities | spending | app | 
                                                                                                                                                                                                                                                                                             Andro
                                         🕀 🚡 🖈 — 💿 LoginActivity.java × 💿 MainActivity.java × 💿 SendMoneyActivity.java
       Android ▼
        manifests
                                                                29
                                                                                             ActionBar actionBar = getSupportActionBar();
        ▼ iava
                                                                                             actionBar.setTitle("Send Money");
                                                                30
           ▼ 🛅 com.example.bankapp
                                                                31

▼ businessLogic

                                                                32
                                                                                             et_receiver = (EditText) findViewById(R.id.et_receiver);
                   ▼ 🛅 controllers
                                                                                             et amount = (EditText) findViewById(R.id.et amount);
                          InsertFirstValuesController
                                                                34
                                                                                             tv account = (TextView) findViewById(R.id.tv account);
                          Compare Login Controller
                                                                                             tv_currentAccount = (TextView) findViewById(R.id.tv_currentAccount);
                          © SendMoneyController
                                                                36
                       filler
                                                                                             Bundle extras = this.getIntent().getExtras();
               ▶ □ dataAccess
                                                                38
                                                                                             final String sender = extras.getString("sender");
               ▼ 🛅 presentation
                                                                39
                                                                                             tv_currentAccount.setText(sender);

▼    activities

                                                                40
                          Compactivity
                                                                41
                                                                                             Button btn sendmoney = findViewById(R.id.btn sendmoney);
                          MainActivity
                                                                42
                                                                                             btn_sendmoney.setOnClickListener(new View.OnClickListener() {
                          SendMoneyActivity
                                                                                                     @Override
                       # filler
                                                                44 1
                                                                                                     public void onClick(View view) {
           com.example.bankapp (androidTest)
                                                                45
                                                                                                             sendMoneyController = new SendMoneyController():
           com.example.bankapp (test)
                                                                46
                                                                                                             try
        ▶ I generatedJava
                                                                47
                                                                                                                     int receiver = Integer.parseInt(et receiver.getText().toString());
        ▶ I res
                                                                48
                                                                                                                     int amount = Integer.parseInt(et amount.getText().toString());
       Gradle Scripts
                                                                49
                                                                                                                     try
                                                                                                                            String appResponseTransaction = sendMoneyController.sendMoney(Integer.parseInt(sender), receiver, amount);
                                                                50
                                                                                                                             Toast.makeText(getApplicationContext(), appResponseTransaction, Toast.LENGTH_SHORT).show();
                                                                51
                                                                                                                     }catch(Exception e){
                                                                                                                             Toast. make Text (getApplicationContext(), "There was a problem with our servers. Please try again later.", Toast. LENGTH SHORT).sh
                                                                54
                                                                                                             }catch(Exception e){
                                                                56
                                                                                                                     Toast.makeText(getApplicationContext(), "All fields must be filled.", Toast.LENGTH_SHORT).show();
                                                                58
                                                                59
                                                                                             });
                                                                60
                                                                                             Button btn_logout = findViewById(R.id.btn_logout);
                                                                63 1
                                                                                             btn_logout.setOnClickListener((view) → {
                                                                                                             Intent intent = new Intent(SendMoneyActivity.this, LoginActivity.class);
                                                                                                             intent.setFlags(Intent.FLAG_ACTIVITY_NEW_TASK | Intent.FLAG_ACTIVITY_CLEAR_TASK);
                                                                                                             startActivity(intent);
                                                                68
                                                                                                             finish();
                                                                                            });
                                                                70
     ▶ 4: Run 	≡ 6: Logcat 	≡ TODO @ Profiler 	■ Terminal 		 Suild
                                                                                                                                                                                                                                                                                                                                                                         Event Log
```

	accountNumber	balance	owner_id
	Filter	Filter	Filter
1	11223344	500	1116500600
2	44332211	700	1115600500

amount	date	id	receiver_id	sender_id
Filter	Filter	Filter	Filter	Filter



Username

Password

1116500600

•••••







Current account 11223344

SEND MONEY



Current account 11223344

Receiver's account

Amount

SEND



Current account 11223344

44332211

500

SEND



Current account 11223344

44332211

500

SEND

LOG OUT

Transaction completed!



Username

Password

1115600500

•••••







Current account 44332211

SEND MONEY



Current account 44332211

Receiver's account

Amount

SEND



Current account 44332211

11223344

1000

SEND



Current account 44332211

11223344

1000

SEND

LOG OUT

Transaction completed!

	accountNumber	balance	owner_id
	Filter	Filter	Filter
1	11223344	1000	1116500600
2	44332211	200	1115600500

	amount	date	id	receiver_id	sender_id
	Filter	Filter	Filter	Filter	Filter
1	500	2019-06-09 2	1	44332211	11223344
2	1000	2019-06-09 2	2	11223344	44332211