Problem 2

Adding accounts

Local accounts:
- created by bank administrators
- attributes: name, IBAN, BIC, isSavingsAccount (all required)

Addressee accounts:
- created by bank customers
- attributes: name (optional), IBAN, BIC (both mandatory)

Credit transfer is sent from **local account** to **addressee account**.

BIC can be validated:
- whether has correct syntax (e.g. BREX+PL+PW+KRA)
- against known BICs database which is not complete – thus only warning

IBAN can be validated:
- whether syntax matches IBAN in given country, e.g.
  - Poland: PLNN NNNN NNNN NNNN NNNN NNNN NNNN
  - France: FRNN NNNN NNNN NNXX XXXX XXXX XNN
- that IBAN country matches BIC country (only warning)

Task: How would you implement the following functions?

```
CreationResponse createLocalAccount(String name, String bic,
String iban, boolean isSavingsAccount)

CreationResponse createAddresseeAccount(String name, String bic,
String iban)

public class CreationResponse {
    boolean success;
    List<String> errorKeys;
    boolean isbicIbanCountryMismatch;
}
```

Consider: other countries will be added, some banks might not want to bother users with warnings