Software Requirements Specification

Specification of the new functionality for hiding an account in the Bank's mobile application

1. Introduction

1.1 Purpose of the document

The purpose of the document is to describe the requirements for developing the functionality of hiding accounts in the mobile and web application of Internet banking. This feature allows the user to customize the display of their accounts in the interface, hiding irrelevant or temporarily unnecessary ones.

1.2 Terms and Definitions

Term	Definition
User	Individual, bank client, authorized in the application
Account	User's bank account
Primary account	Account used by default for deposits
Blocked account	Account on which a restriction has been imposed (for example, by a court decision)
Personal account	User interface in Internet banking

2. General description

2.1 Product perspective

The functionality is part of the bank's mobile and web application. Account data is loaded from the backend service, changes in the status "hidden/displayed" are saved in the DB.

2.2 Limitations

- You cannot hide the primary account
- You cannot hide a blocked account
- Response time for the hide/return operation is no more than 1 sec.
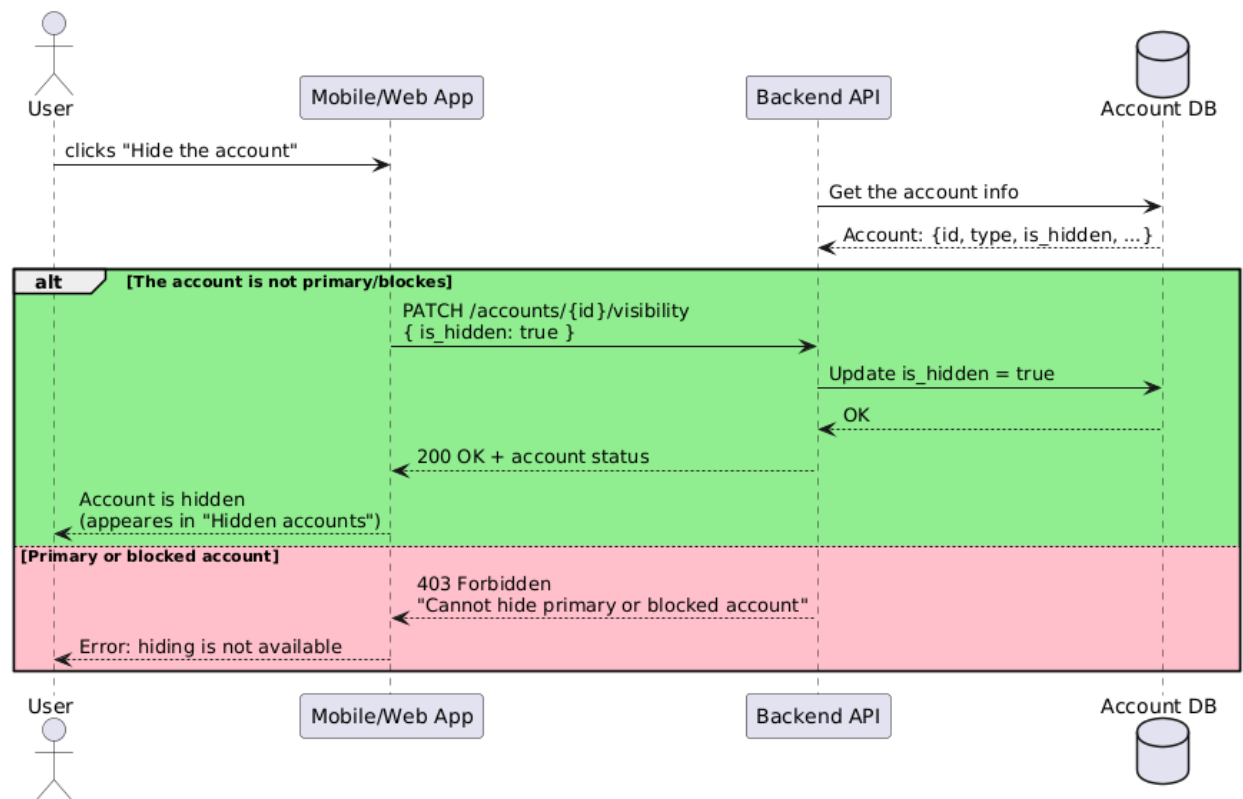
2.3 Dependencies

- Service authorization and receiving account data
- Account database
- API for updating account information
- Mobile applications (iOS / Android)

3. Functional requirements

3.1 Hiding an account (UC-1)

Description: the user can hide the display of the selected account in the general list of accounts, if this account is not the primary or blocked.

Functionality:

- when you click the "Hide" button, the account disappears from the primary "My accounts" list
- the status is saved on the server

Exceptions:

- if the user tries to hide primary/blocked account, error displayed

API request: PATCH /accounts/{id}/visibility

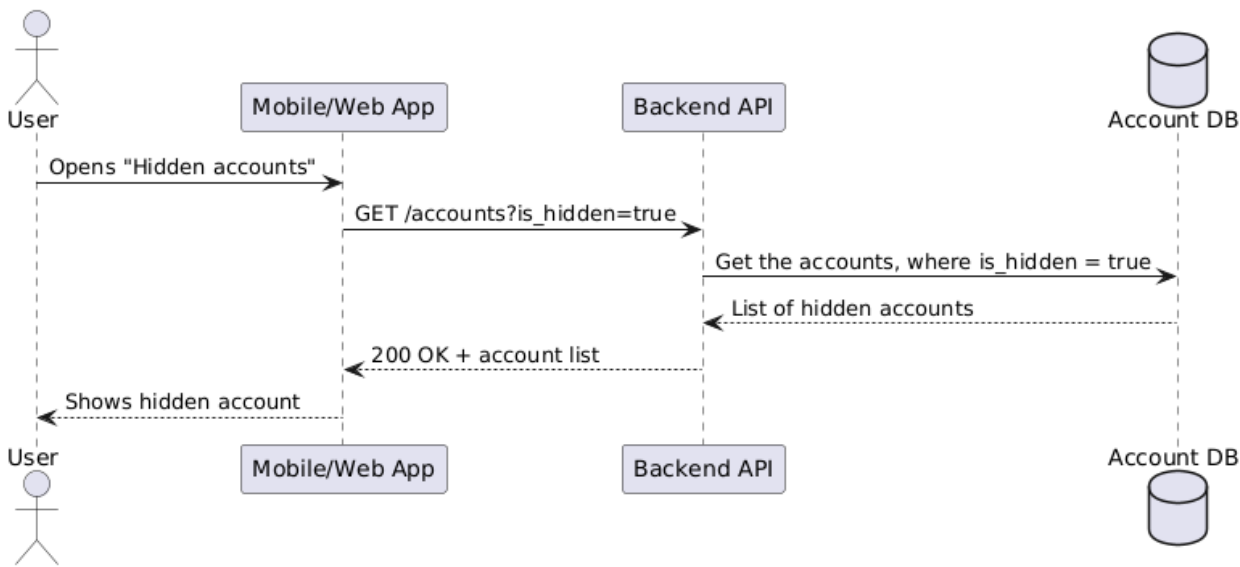Request: **{ "is_hidden": true }**

Response:

200 OK:	{ "id": "acc_12345", "is_hidden": true, "message": "Account successfully hidden" }
400 Bad Request:	{ "error": "Invalid account ID format" }
401 Unauthorized:	{ "error": "Authentication required" }

403 Forbidden:	{
	"error": "Cannot hide primary or blocked account"
	}

404 Not Found:	{
	"error": "Account not found"
	}

500 Internal Server Error:	{
	"error": "Unexpected server error. Please try again later."
	}

3.2 Viewing hidden accounts (UC-2)

Description: the user can open the list of all hidden accounts in the "Account settings" section or a separate "Hidden accounts" screen.

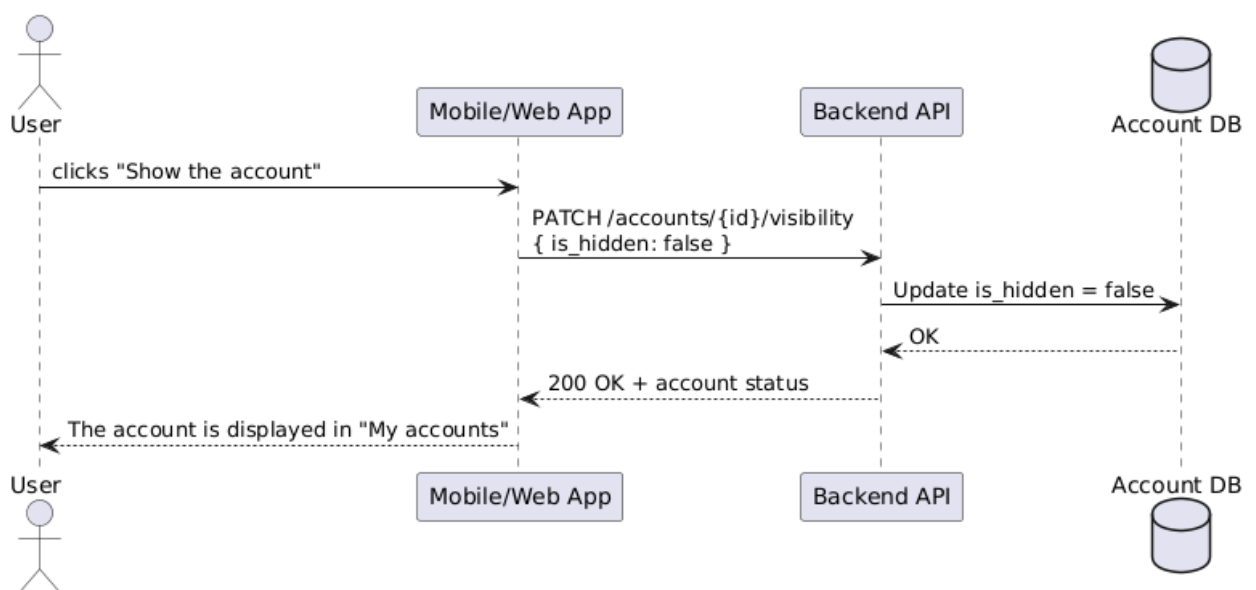**API request: GET /accounts?is_hidden=true**

Response:

200 OK:	{
	"id": "acc_12345",
	"accountNumber": "40817810000001234567",
	"currency": "BYN",
	"balance": 1000.50,
	"isHidden": true
	},
	{
	"id": "acc_67890",
	"accountNumber": "40817810000007654321",
	"currency": "USD",
	"balance": 500.00,
	"isHidden": true
	}

400 Bad Request:	{
	"error": "Invalid account ID format"
	}

401 Unauthorized:	{
	"error": "Authentication required"
	}

403 Forbidden:	{
	"error": "Access to account information is forbidden"
	}

404 Not Found:	{
	"error": "Account not found"
	}

500 Internal Server Error:	{
	"error": "Unexpected server error. Please try again later."
	}

3.3 Recovering a hidden account (UC-3)

Description: the user can return the display of a previously hidden account in the general list.

API request: PATCH /accounts/{id}/visibility

Request: **{ "is_hidden": false }**

Response:

200 OK:	{
	"id": "acc_12345",
	"is_hidden": false,
	"message": "Account is now visible"
	}

400 Bad Request:	{
	"error": "Invalid account ID format"
	}

401 Unauthorized:	{
	"error": "Authentication required"
	}

403 Forbidden:	{
	"error": "Access to account information is forbidden"
	}

404 Not Found:	{
	"error": "Account not found"
	}

500 Internal Server Error:	{
	"error": "Unexpected server error. Please try again later."
	}

4. Non-functional requirements

NFR.1: Performance: Hiding/revealing the account should not take longer than 1 second in the application.

NFR.2: Security: Hiding the account does not affect access to transactions, there is no data leakage.

NFR.3: Cross-platform support: works on iOS and Android.

NFR.4: Reliability: The hiding state is preserved when the application is restarted

5. Behavior options

Positive scenario:

1. The user clicks "Hide account"
2. A message appears: "After hiding the account, it will be available on the main page in the "Hidden accounts" section."
3. The account is moved to the "Hidden accounts" category

Negative scenarios:

1. The user tries to hide the primary account → message: "Unable to hide the primary account."
2. The user tries to hide a blocked account → message: "Unable to hide a blocked account."
3. Server error → message: "Failed to hide the account. Try again later."

6. Interfaces

6.1 User interface

- The "Hide account" button appears on the account screen
- A new category "Hidden accounts" appears on the main page (if the user has hidden at least one account)
- The "Show account" button appears on the account screen

6.2 Interaction with the backend

- PATCH request updates the is_hidden flag

- GET request for the list of accounts returns only is_hidden = false by default

7. Additional information

7.1 User documentation:

FAQ: «How to hide an account»

7.2 Assumptions:

- The user does not expect that hiding the account will affect transactions/statements
- Hiding is only a visual filter, does not block work with the account

7.3 Scalability:

The hiding functionality can be extended to other products (cards, deposits) using the general is_hidden flag mechanism.