



# [EBANK-36] Security and compliance

Created: 30/Jan/20 1:54 PM - Updated: 06/Mar/20 11:09 AM

<b>Status:</b>	In progress
<b>Project:</b>	E-Bank Portal

<b>Type:</b>	Test Set	<b>Priority:</b>	High
<b>Assignee:</b>	Casey Ford		
<b>Labels:</b>	psd2-sec, user-data		

## Description

### Test Set and associated Tests Report

This document is a comprehensive report of the security and compliance testing for **PSD2 compliance**. The collection and status of individual test activities conducted as part of [EBANK-36](#) can be found below.

#### Testers involved:

1. Casey Ford (teamlead)
2. Robert Mongose
3. Bob Mitchell
4. Levente Szabo

#### PSD2 Security Guideline topics covered:

- Data protection
- Secure communication
- Device and software integrity
- Separate environment

#### Tests

<b>Test Set Status:</b>	PASS: 1 (14.29%), FAIL: 4 (57.14%), ABORTED: 0 (0%), EXECUTING: 1 (14.29%), TODO: 1 (14.29%)
<b>Tests:</b>	<a href="#">[EBANK-24]</a> Verify required SSL security compliance <a href="#">[EBANK-25]</a> Database consistency test <a href="#">[EBANK-2]</a> Test the behavior of required fields for a card-not-present payment transaction <a href="#">[EBANK-8]</a> Payment transaction submitted multiple times <a href="#">[EBANK-26]</a> HTTP protocol used to store cookies <a href="#">[EBANK-3]</a> Enter different data types <a href="#">[EBANK-22]</a> Desktop Operating System compatibility test

## Links

<b>Cloners</b>			
<i>is cloned by</i>	<a href="#">[EBANK-73]</a>	Internal security audit	To Do



## [EBANK-2] Test the behavior of required fields for a card-not-present payment transaction

Created: 30/Jan/20 9:43 AM - Updated: 05/Mar/20 1:16 PM

<b>Status:</b>	In progress
<b>Project:</b>	E-Bank Portal

<b>Type:</b>	Test	<b>Priority:</b>	High
<b>Assignee:</b>	Robert Mongose		
<b>Labels:</b>	transactions, user-interface		

*Xray Test Details*

<b>Test Repository Path:</b>	/testing/2020/smoke tests
<b>TestRunStatus:</b>	FAIL

**Description**

**Test goal**

The goal of this manual smoke test is to generally verify if the application always gathers the required data for a payment transaction.

**Required fields layout (without cardholder name):**

ENTER CREDITCARD DETAILS ×

**Credit card number:**
**Expires:**
**CVC:**

4571 | \* \* \* \* \*

*Test Details*

<b>Type:</b>	Manual		
<b>Manual Steps:</b>			
	Step	Input/Data	Expected Results
1	Send form when <b>all</b> required fields are empty.	Following fiealds are empty: <ul style="list-style-type: none"> <li>Phone number</li> <li>Email address</li> <li>Mailing address</li> </ul>	<b>Form is not accepted.</b> Warning message appears with a list of all required fields.
2	Send form when <b>two</b> required fields are empty.	Following fiealds are empty: <ul style="list-style-type: none"> <li>Phone number</li> <li>Email address</li> </ul>	<b>Form is not accepted.</b> Warning message appears with a list of the two fields left empty.
3	Send form when all required fields are filled.		<b>Form is accepted.</b>

*Pre-Conditions*

**Pre-Conditions:**      [\[EBANK-58\]](#) Test user account balance is not zero  
                                 [\[EBANK-32\]](#) Standard tier user is logged in

*Test Sets*

**Test Sets:**            [\[EBANK-36\]](#) Security and compliance  
                                 [\[EBANK-37\]](#) App speed and usability  
                                 [\[EBANK-39\]](#) Immediate payment transactions  
                                 [\[EBANK-73\]](#) Internal security audit

*Test Plans*

**Test Plans:**            [\[EBANK-48\]](#) Features and security testing for versions after 1.1  
                                 [\[EBANK-60\]](#) PSD2 functional aspects  
                                 [\[EBANK-66\]](#) User Experience Boost  
                                 [\[EBANK-75\]](#) Features and security testing for versions after 1.2

**Attachments**

# ENTER CREDITCARD DETAILS ×

Credit card number:

Expires:

CVC:

 4571 | \* \* \* \* \*   \* \* \* \* \*   \* \* \* \* \*

MM

YY

image-2020-03-04-16-00-33-000.png (16 kB)

**Links**

**Bugs detected**

<i>detects</i>	<a href="#">[EBANK-68]</a>	Caps Lock is turned on by default	In progress
<i>detects</i>	<a href="#">[EBANK-56]</a>	Warning message doesn't appear when form fields are not filled properly	To Do

**Defect**

<i>created</i>	<a href="#">[EBANK-68]</a>	Caps Lock is turned on by default	In progress
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## [EBANK-3] Enter different data types

Created: 30/Jan/20 10:30 AM - Updated: 06/Mar/20 10:49 AM

<b>Status:</b>	In progress
<b>Project:</b>	E-Bank Portal

<b>Type:</b>	Test	<b>Priority:</b>	Medium
<b>Assignee:</b>	Owen Klyed		
<b>Labels:</b>	user-data, user-interface		

*Xray Test Details*

<b>Test Repository Path:</b>	/testing/2020/scenarios
<b>TestRunStatus:</b>	FAIL

*Test Details*

**Type:** Generic

**Definition:** **Test session goal**

The general purpose of this test is to filter out and reject values there are inappropriate, invalid or wrong type for a given input.

When testing the **"Phone Number"** input, put in a series of numbers that are not a phone number. Put in phone numbers that use dash character or other special characters. Use letters as phone number, both upper and lower case characters.

Since nothing else is acceptable then a valid phone number, you are looking for the errors here. The errors have to be displayed in every case and the wording, their language should convey the error message clear, so the user knows what is wrong and **why it is wrong**.

**Examples for wrong data type:**

- 555-0120
- #1234
- ABD-1234

**Expected error message:**

123-ASD !

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Please input a valid phone number!

*Test Sets*

<b>Test Sets:</b>	<a href="#">[EBANK-36]</a> Security and compliance <a href="#">[EBANK-73]</a> Internal security audit
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*Test Plans*

<b>Test Plans:</b>	<a href="#">[EBANK-48]</a> Features and security testing for versions after 1.1 <a href="#">[EBANK-75]</a> Features and security testing for versions after 1.2
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**Attachments**

123-ASD



**Please input a valid phone number!**

image-2020-03-06-10-46-27-850.png (5 kB)

**Links**

**Blocks**

*blocks* [EBANK-5] Behavior of form instructions To Do

**Bugs detected**

*detects* [EBANK-68] Caps Lock is turned on by default In progress

**Comments**

*Bob Mitchell added a comment - 27/Feb/20 2:51 PM*

I think we are **not being fully clear** on what area codes do we accept!  
This way we confuse users and they won't understand if they can sign up or not.

I think we should:

- 1. Provide clearer explanation of what is a **valid** data
- 2. Display a friendlier warning when invalid data is submitted
- 3. Offer alternatives for certain data

*Zoe Barnes added a comment - 27/Feb/20 2:53 PM*

Yea, I can see why that is confusing. 😞

We should look into making this clear and maybe introduce a maps based area picker?



## [EBANK-8] Payment transaction submitted multiple times

Created: 30/Jan/20 10:34 AM - Updated: 05/Mar/20 11:48 AM

<b>Status:</b>	In progress
<b>Project:</b>	E-Bank Portal

<b>Type:</b>	Test	<b>Priority:</b>	Highest
<b>Assignee:</b>	Robert Mongose		
<b>Labels:</b>	None		

*Xray Test Details*

<b>Test Repository Path:</b>	/testing/2020/smoke tests
<b>TestRunStatus:</b>	FAIL

*Test Details*

<b>Type:</b>	Manual			
<b>Manual Steps:</b>		Step	Input/Data	Expected Results
	1	Submit payment transaction	Simulate a timeout error	Transaction is not completed, email notification sent out
	2	Submit same payment transaction	Submit transaction within 1 minute of previous	Transaction is completed only once

*Test Sets*

<b>Test Sets:</b>	<a href="#">[EBANK-36]</a> Security and compliance <a href="#">[EBANK-73]</a> Internal security audit
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*Test Plans*

<b>Test Plans:</b>	<a href="#">[EBANK-48]</a> Features and security testing for versions after 1.1 <a href="#">[EBANK-75]</a> Features and security testing for versions after 1.2
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**Links**

Defect			
created	[EBANK-54]	User account balance is hidden on transaction screen	To Do
created	[EBANK-56]	Warning message doesn't appear when form fields are not filled properly	To Do



## [EBANK-22] Desktop Operating System compatibility test

Created: 30/Jan/20 10:46 AM - Updated: 05/Mar/20 11:48 AM

<b>Status:</b>	In progress
<b>Project:</b>	E-Bank Portal

<b>Type:</b>	Test	<b>Priority:</b>	Low
<b>Assignee:</b>	Robert Mongose		
<b>Labels:</b>	None		

*Xray Test Details*

<b>Test Repository Path:</b>	/testing/2020/scenarios
<b>TestRunStatus:</b>	EXECUTING

*Test Details*

<b>Type:</b>	Manual			
<b>Manual Steps:</b>		Step	Input/Data	Expected Results
	1	Install the desktop version on Linux		The application runs without errors
	2	Install the desktop version on Windows		The application runs without errors
	3	Install the desktop version on MacOS		The application runs without errors

*Test Sets*

<b>Test Sets:</b>	<a href="#">[EBANK-36]</a> Security and compliance <a href="#">[EBANK-73]</a> Internal security audit
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*Test Plans*

<b>Test Plans:</b>	<a href="#">[EBANK-48]</a> Features and security testing for versions after 1.1 <a href="#">[EBANK-75]</a> Features and security testing for versions after 1.2
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# [EBANK-24] Verify required SSL security compliance

Created: 30/Jan/20 10:59 AM - Updated: 05/Mar/20 11:48 AM

**Status:** To Do  
**Project:** E-Bank Portal

**Type:** Test **Priority:** Low  
**Assignee:** Casey Ford  
**Labels:** None

*Xray Test Details*  
**Test Repository Path:** /testing/2020/scenarios  
**TestRunStatus:** FAIL

*Test Details*

**Type:** Manual

**Manual Steps:**

	Step	Input/Data	Expected Results
1	Test website for NIST guidelines	Resource for guidelines (see attachment)	Website complies with NIST security guidelines
2	Test SSL/TLS for HIPAA guidelines	Use AWS guidelines (see attachment)	Website complies with HIPAA security guidelines
3	Test SSL/TLS for PCI DSS security standards	See standards at <a href="https://www.pcisecuritystandards.org">https://www.pcisecuritystandards.org</a>	Website complies with PCI DSS security standards

*Test Sets*

**Test Sets:** [\[EBANK-36\]](#) Security and compliance  
[\[EBANK-73\]](#) Internal security audit

*Test Plans*

**Test Plans:** [\[EBANK-48\]](#) Features and security testing for versions after 1.1  
[\[EBANK-75\]](#) Features and security testing for versions after 1.2





## [EBANK-25] Database consistency test

Created: 30/Jan/20 10:59 AM - Updated: 05/Mar/20 11:48 AM

<b>Status:</b>	To Do
<b>Project:</b>	E-Bank Portal

<b>Type:</b>	Test	<b>Priority:</b>	Low
<b>Assignee:</b>	Levente Szabo		
<b>Labels:</b>	None		

*Xray Test Details*

<b>Test Repository Path:</b>	/testing/2020/scenarios
<b>TestRunStatus:</b>	PASS

*Test Details*

<b>Type:</b>	Manual			
<b>Manual Steps:</b>		Step	Input/Data	Expected Results
	1	Run account checks on all accounts created since the last check		No consistency problems found

*Test Sets*

<b>Test Sets:</b>	<a href="#">[EBANK-36]</a> Security and compliance <a href="#">[EBANK-61]</a> Account holders data integrity <a href="#">[EBANK-73]</a> Internal security audit <a href="#">[EBANK-74]</a> Secondary account holders data integrity
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*Test Plans*

<b>Test Plans:</b>	<a href="#">[EBANK-48]</a> Features and security testing for versions after 1.1 <a href="#">[EBANK-66]</a> User Experience Boost <a href="#">[EBANK-75]</a> Features and security testing for versions after 1.2
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## [EBANK-26] HTTP protocol used to store cookies

Created: 30/Jan/20 10:59 AM - Updated: 05/Mar/20 11:48 AM

<b>Status:</b>	To Do
<b>Project:</b>	E-Bank Portal

<b>Type:</b>	Test	<b>Priority:</b>	Low
<b>Assignee:</b>	Casey Ford		
<b>Labels:</b>	None		

*Xray Test Details*

<b>Test Repository Path:</b>	/testing/2020/smoke tests
<b>TestRunStatus:</b>	TODO

*Test Details*

<b>Type:</b>	Manual			
<b>Manual Steps:</b>		Step	Input/Data	Expected Results
	1	Access the website from mobile browser		Home screen loads
	2	Check if cookie values have been set	NAME=VALUE; expires=DATE; path=PATH; domain=DOMAIN_NAM	Cookie values have been set

*Pre-Conditions*

<b>Pre-Conditions:</b>	<a href="#">[EBANK-27]</a> HTML consistency check
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*Test Sets*

<b>Test Sets:</b>	<a href="#">[EBANK-36]</a> Security and compliance <a href="#">[EBANK-73]</a> Internal security audit
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*Test Plans*

<b>Test Plans:</b>	<a href="#">[EBANK-48]</a> Features and security testing for versions after 1.1 <a href="#">[EBANK-75]</a> Features and security testing for versions after 1.2
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**Links**

Defect			
<i>created</i>	[SIA-194]	Financial transactions are not updating real-time	Under development
<i>created</i>	[SIA-204]	Error when trying to open utility expenses reports	Under development
<i>created</i>	[SIA-206]	No data rewards showed in the app	Under development
<i>created</i>	[SIA-217]	Can't change password from sign-in screen	Raised
<i>created</i>	[EBANK-56]	Warning message doesn't appear when form fields are not filled properly	To Do

**Tests**

tests	[EBANK-55]	Use HTTP to store cookies on mobile devices	To Do
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