
Software Requirements Specifications **for Internet Banking System**

Version 1.2

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Online Banking System

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Revision History

Name	Date	Reason For Changes	Version
Version 1.0	4/11/2021	Implementing	1.0
Version 1.1	5/11/2021	Update general constraints and product perspective	1.1
Version 1.2	11/11/2021	non-functional requirements and Assumptions and Dependencies modification	1.2
Version 1.3	27/11/2021	Insert Data Flow Diagram level one.	1.3
Version 1.4	4/12/2021	Insert Data Flow Diagram level two.	1.4
Version 1.5	11/12/2021	Database Dictionary, Process Description tools	1.5
Version 1.6	18/12/2021	Database relation	1.6
Version 1.7	25/12/2021	Structured chart	1.7

1. Introduction

Purpose

Internet Banking, also known as net banking or online banking, is an electronic payment system that enables the customer of a bank or a financial institution to make financial transactions online via the internet. This service gives online access to almost every banking service, traditionally available through a local branch including fund transfers, deposits, and online bill payments to the customers.

Product Scope

Our system is focusing on enabling customers to perform all routine transactions, such as bill payment, fund transfer, balance inquiries, view recent transactions, creating investment certificates.

Definitions, acronyms, and abbreviations

Term	Definition
BS	Banking System
CBE	Central Bank of Egypt

References

Name: Mostafa Sabry

Position: Accountant

Name: Soso Farid

Position: Manager

https://www.nbe.com.eg/NBE/E/#/EN/ProductDetails?inParams=%7B%22CategoryID%22%3A%2250%22%2C%22ProductID%22%3A%22Ahly%20Net%20-%20Personal_16537%22%7D

2. General Description

Product Perspective

Following the origin of the online banking system.

Comparison with the traditional system and the new system can also be cleared through the system models.

Product Functions

- Online balance check and transaction information
- Save or view past history
- Balance transfer
- Online billing option

2.2.1. Functional requirements

- 1) Login
- 2) Validation
- 3) Get balance information
- 4) Withdrawal of money
- 5) Transfer Money
- 6) Customer info
- 7) investment certifications

2.2.2. Non-Functional requirements

- 1) performance : respond in one one second
- 2) software quality attributes
- 3) security : every user will have his own username and password
- 4) scalability : allow 1000 transactions in three second
- 5) availability : available 24 hours a day every day
- 6) reliability : 10 seconds to restore system again
- 7) maintainability : have back-up drive to handle any problems in the system
- 8) emergent properties

User Characteristics

<i>user</i>	<i>Definition</i>	<i>privilege</i>
<i>students</i>	<i>who are between 16 and 21 years old.</i>	<i>the limit for withdrawing 15000 EGP</i>
<i>employers</i>	<i>who got a job.</i>	<i>the limit for withdrawing 20000 EGP</i>
<i>companies</i>	<i>Any profit organization.</i>	<i>the limit for withdrawing 50000 EGP and there are exceptions.</i>

General Constraints

Policies:-

- The Central Bank may request from banks, representative offices of foreign banks, exchange companies, and other entities licensed to deal in foreign exchange, any data or clarifications about the operations they undertake. The inspectors of the Central Bank and their assistants who are delegated by the Governor shall have the right to inspect its books and records in the bank, office, company or entity in a manner that ensures obtaining the necessary data and clarifications.

Hardware:-

- *The system is an online web-based application so a client server will be the most suitable organizational style for this system. Computer systems will be needed by each of the actors as well as that user must be connected to the internet.*

Language:-

- *English (most used language all over the world).*
- *Arabic (country language).*

Protocols:-

- *Determined by the Central Bank of Egypt.*

Security consideration:-

- *The system must be safe and secure because customers will directly contact their account through the internet. Software will have to identify the valid customer according to his/her bank details and password.*

2.5 Assumptions and Dependencies

- *Hardware servers*
- Internet connection
- Computers available to the customers to use
- Easy-used and clear system interface for the user to deal with