­­­­­­­­­­­Use Case Specification

Use Case ID: OnlineBanking\_01

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| --- | --- |
| Project Code | OBS\_b\_001 |
| Project Name | Online Banking System |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| G, Shivani | Test Engineer | 06/25/2018 |
| Reviewed by | Role | Date of Review |
|  |  |  |
| Approved by | Role | Date of Approval |
|  |  |  |
| Circulation List |  | Version Number of the template: |
| Version Number | 1.0 |  |
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| Approved by | Role | Date of Approval |
|  |  |  |
| Circulation List |  | Version Number of the template:1.0 |
| Version Number | 1.0 |  |

<<Customer>> REVIEW HISTORY

<<Customer comments on the Use case along with the signed off is tracked here>>

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| --- | --- | --- | --- | --- | --- | --- |
| Version | 1.0 |  |  |  |  |  |
| Date | <<Date of Review>> |  |  |  |  |  |
| Reviewed by | << Reviewer Name>> |  |  |  |  |  |
| Reviewed UI Specification doc | << Whether UI Specification doc is reviewed >> |  |  |  |  |  |
| All Open Queries/issues closed | << Whether all the open queries and issues resolved>> |  |  |  |  |  |
| Agreement on Assumptions | <<Whether all the assumptions have been agreed upon by the customer>> |  |  |  |  |  |
| Sign Off | <<Signature>> |  |  |  |  |  |

Disclaimer:

The scope of the project **‘Online Banking System’** is restricted to the contents of this signed off use case.

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**1.** **USE CASE NAME:** ONLINE BANKING SYSTEM

**Use Case ID:** OnlineBanking\_01

**Brief Description:** This use case describes the process by which administrator can log into the Online Banking system. This Use Case also describes the process by which a new user/applicant can register on the Banking Exam Portal website.

2. ACTORS:

1. Administrator
2. User
3. System

3. PRE CONDITIONS:

\*Administrator:

1. Administrator/User has an access to the Online Banking Website.

2. Administrator has a valid user id and a password.

3. Administrator is an employee of a Banking Exam Portal company

\*Applicant or New User:

1. New user/Applicant is not a member of the website.

2. New user/Applicant has an access to the Banking Website

4. FLOW OF EVENTS:

4.1 Basic Flow:

4.1.1 Basic Flow**: Administrator**

1. Administrator visits the Banking Exam Portal <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. Administrator enters his/her user-id and password and clicks on the login button in the section of home page given administrator login.
3. The system validates the user id and password combination with the database.
4. If the authentication is unsuccessful, a login failure message is displayed.
5. On successful login, the admin home page is displayed.
6. On Successful login, the user-id and role fields are stored in the HTTP session for future use during that session.
7. On Successful login, the administrator can add a new account in the portal, view transactions and can also see his/her service requests.

4.1.1 Basic Flow: **New User**

1. User visits the Banking Exam Portal <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.

1. Administrator enters his/her user-id and password and clicks on the login button in the section of home page given administrator login.
2. User can view mini/detailed statement if he/she is having multiple accounts.
3. User can change his/her mode of communication like mobile number/address for the respective bank account.
4. User can request for cheque book if he/she wants any.
5. User can track his/her service request.
6. User can transfer fund from one account to another account.
7. User can change password regarding any security issues.

4.2 Exception Flows:

4.2.1: Administrator

**Exception Flow1:** All fields on the Login web page are not specified

1. Administrator visits the Online Banking Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. Administrator enters his/her User Name and clicks on the login button in the section of a home page given for administrator login without entering the password.
3. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow2:** All fields on the Login web page are not specified

1. Administrator visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. Administrator enters his/her password and clicks on the login button in the section of a home page given for administrator login without entering the User Name.
3. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow3:** The User name field is given data apart from characters

1. Administrator visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. Administrator enters his/her User Name where the data entered by him on this filed contains data part from characters and clicks on the login button in the section of a home page given for administrator login with entering the password.
3. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow4:** Passwords having eight characters.

1. Administrator visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. Administrator enters his/her user-id and password which have less than eight characters and

clicks on the login button in the section of a home page given for administrator login.

1. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow5:** Passwords is not three or four available character types: lowercase letters,

uppercase letters and numbers.

1. Administrator visits the Banking Exam Portal URL

<http://ndafile:8081/OnlineBankingProjectSpring/index.jsp>

2. Administrator enters his/her user-id and password which is not made up of three or four character

types (lowercase letters, uppercase letters and numbers) and clicks on the login button in the section of a home page given for administrator login.

3. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow6:** Wrong login attempts.

1. 1.Administrator visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. Administrator enters his/her user-id and wrong password more than 3 times and clicks on the login button in the section of a home page given for administrator login.
3. The Login attempt is unsuccessful, a login failure message is displayed.

4.2.2: **User**

**Exception Flow1:** All fields on the Login web page are not specified

1. User visits the Online Banking Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. User enters his/her User Name and clicks on the login button in the section of a home page given for administrator login without entering the password.
3. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow2:** All fields on the Login web page are not specified

1. User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. User enters his/her password and clicks on the login button in the section of a home page given for user login without entering the User Name.
3. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow3:** The User name field is given data apart from characters

1. User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. User enters his/her User Name where the data entered by him on this filed contains data part from characters and clicks on the login button in the section of a home page given for user login with entering the password.
3. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow4:** Passwords having eight characters.

1. User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. User enters his/her user-id and password which have less than eight characters and

clicks on the login button in the section of a home page given for user login.

1. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow5:** Passwords is not three or four available character types: lowercase letters,

uppercase letters and numbers.

1. User visits the Banking Exam Portal URL

<http://ndafile:8081/OnlineBankingProjectSpring/index.jsp>

2. Administrator enters his/her user-id and password which is not made up of three or four character

Types (lowercase letters, uppercase letters and numbers) and clicks on the login button in the section of a home page given for user login.

3. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow6:** Wrong login attempts.

1.User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.

1. User enters his/her user-id and wrong password more than 3 times and clicks on the login button in the section of a home page given for user login.
2. The Login attempt is unsuccessful, a login failure message is displayed.

**Exception Flow7:** To view mini statements/Detailed statements

1. User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. After logging into the portal by providing respective user name and password, User can view Mini/Detailed statements of the transactions.
3. This functionality will be unsuccessful.

**Exception Flow8:** To request for change in communication

1. User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. After logging into the portal by providing respective user name and password, User can request for change in mode of communication like mobile number, Address.
3. This functionality will be unsuccessful.

**Exception Flow9:** Request for cheque book

1. User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. After logging into the portal by providing respective user name and password, User can request for cheque book if required.
3. This functionality will be unsuccessful.

**Exception Flow9:** Track Service Request

1. User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. After logging into the portal by providing respective user name and password, User can track status of services like status of cheque book, money transactions etc.,
3. This functionality will be unsuccessful.

**Exception Flow10:** Fund Transfer

1. User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. After logging into the portal by providing respective user name and password, User can transfer fund among his/her own accounts or can transfer fund to others.
3. This functionality will be unsuccessful.

**Exception Flow11:** Change Password

1. User visits the Banking Exam Portal URL <http://ndafile:8081/OnlineBankingProjectSpring/index.jsp> using any standard browser.
2. After logging into the portal by providing respective user name and password, user can change his/her account password for login option.
3. This functionality will be unsuccessful.

5. **POST CONDITIONS:**

| **Flow Name** | **Post Condition** |
| --- | --- |
| Successfully admin login into the site. | Successfully administrator log in to the application. |
| Administrator password less than eight characters. | Administrator password less than eight characters. |
| All the mandatory fields are not filled. | Access unsuccessful |
| Passwords without at least three of the four available character types: lowercase letters, uppercase letters and numbers. | Administrator access unsuccessful. |

6**. SPECIAL REQUIREMENTS:**

**Performance:**

1. Using this application admin can use the portal for various purposes. The actors here can be an administrator who can make changes, edit, and add information to the portal, and the application on the portal.

**Availability:**

1. This application is made available for all who wants to view and update his/her bank details.
2. The portal is accessible 24X7.
3. This application allows admin to view the list of services on the portal.

**User Interface:**

1. The website has three partitions for admin to facilitate him with various services, like Add new Account, View transaction reports, and Show all service requests.
2. The active links should be displayed in white color.
3. The user can shift to home page or log out with the available links on the right side of page.

**Security:**

1. Pan Number and mail id should represent a single person.
2. Account opening date should always be today’s date.
3. Proper (Accurate) Address Should be entered.

7. **EXTENSION POINTS:**

If the User/Administrator enters invalid credentials

1. The system displays an error message.
2. The system do not navigate to the next page.
3. User/Admin is retained to step1 of Alternate flow 2.
4. The system allows the User/Administrator to resubmit the credentials.
5. BUSINESS RULES:

|  |  |  |
| --- | --- | --- |
| Business Rule Name | Business Rule Description | System response for business rule |
| BR01 | Email ID should follow valid email id format. | System approves the photo and signature. |
| BR02 | Administrator password less than 8 characters. | Access is denied. |
| BR03 | Administrator should enter valid pan details | Login is denied. |

1. DIAGRAMS:

` Use Case Diagram:

Activity Diagram:

1. SCENARIOS:

Success Scenarios:

* Administrator successfully logins in the portal.
* Administrator successfully views the options in the portal.
* Administrator successfully adds and modify details.

Failure Scenarios:

* All mandatory fields on the Login web page are not given.
* The User Name field data containing apart from characters
* The User Name field given with more than 10 characters
* Passwords with less than eight characters.
* Passwords without having least three of the four available character types: lowercase letters, uppercase letters, and numbers.
* Incorrect PAN number given.

# 

# ISSUES:

1. What if the applicant session is closed abruptly?
2. INTER SYSTEM DEPENDENCIES:

Module: If the User/Administrator enters invalid credentials: Alternate Flow 4.1.2

Impact: The system displays an error message. The system do not navigate to the next page.

User/Admin is retained to step1 of Alternate flow 4.1.2

1. INTEGRATION WITH AN ALREADY EXISTING SYSTEM OF THE <<ADMINISTRATOR>>

Module: Administrator exists in the Employee system

Entity: Employee, Organization, Applications, Administrator

Information: Administrator is an employee of a Portal company. Administrator has an access to the Banking Portal Website.

1. ASSUMPTIONS:
2. Administrator is an employee of company and having access to Intranet.
3. When the applicant stays inactive for 20 minutes in the leave application portal, it automatically expires the session.
4. The administrator has enough permissions to alter the portal like adding an account etc.
5. REVISION HISTORY OF THE WORK PRODUCT:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S NO. | Date | Version # | Section Changed | Details of changes made | Approved By |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |