

Defining System Requirements

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1 The user shall be able to pay their bills from their account balance

1. The system shall confirm that the user has logged in and has a valid session
 - If the user is not logged in, the system shall redirect the user to the login screen
 - If the user session expired, the system shall redirect the user to the login screen
2. The system shall display a list of all the bills
3. The system shall apply different colors for paid and unpaid bills
4. The system shall display a counter for the amount of paid and unpaid bills
5. The system shall enable the user to select a bill to see more details
6. The system shall enable the user to pay a selected bill from a particular account
7. The system shall validate if the account selected by the user has enough funds to pay the selected bill
 - If the account do not have enough funds, the system should display an error message
 - If the account is frozen, the system should display an error message
8. The system shall prompt the user to confirm the bill payment
9. The system shall display a success message if the transaction was successful
 - If the transaction failed, the system shall display an error message to the user
10. The system shall enable the user to return to the view with all the bills from a selected bill

11. The system shall prevent the user from paying bills that were already paid
12. The system shall display an error message if the system do not have an stable connection with the bank system

2 The user shall be able to deposit checks into their account via the application

1. The system shall confirm that the user has logged in and has a valid session
 - If the user is not logged in, the system shall redirect the user to the login screen
 - If the user session expired, the system shall redirect the user to the login screen
2. The system shall enable the user to select the account to deposit
3. The system shall prompt the user to input the amount that is going to be deposit
4. The system shall enable the user to select **check** as a deposit method
5. The system shall request authorization to the user to use the camera
 - If the user declines the authorization, the system should display an error message
 - If the device do not have a camera module or the camera module is damage, the system should display an error message
6. The system shall display a message to the user requesting to take a picture of the check
7. The system shall request the user to take a picture from the front and the back of the check
8. The system shall validate that the check is center and fit in the picture frame
9. The system shall validate that the check is filled
10. The system shall validate that the check is endorsed
11. The system shall validate that all the information in the check is filled and valid

12. The system shall validate that the account number in the check matches the selected account number
13. The system shall validate that the amount in the check matches the amount the user input
14. The system shall display a message that the information is valid
15. The system shall prompt the user to confirm the deposit
16. The system shall perform a deposit transaction in the remote banking service
 - If the system do not have a stable connection with the remote banking service, the system should display an error message
17. The system shall display a message if the transaction was successful
 - If the transaction failed, the system should display an error message
18. The system shall display a summary of the transaction
19. The system shall display an option to the user to deposit another check
20. The system shall display an option to the user to return to the main screen