You are about to test feature for CommBank users on mobile app and website. The users are able to save their monthly expenses on both platforms. When expenses cross the monthly limit a notification is sent to the user.

How will you test this feature on both mobile app and desktop site ?

**Test Plan**

**Test case 1: Monthly expenses limit boundary check**

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| Step (1) | Log on to CommBank user account on both mobile app and desktop website. | Check:  User log on to user account successfully on both mobile app and desktop website. |
| Step (2) | Select debit or credit card account. | Check:  Debit or credit card account transaction details are displayed. |
| Step (3) | Select the method user would like to receive the monthly expenses notification (SMS, Email, or both), via mobile app or desktop website. | Check:  Mobile app and website both show correct notification method . |
| Step (4) | Set monthly limit to LIMIT1, via mobile app or desktop website. | Check:  Mobile app and website both show correct monthly limit LIMIT1. |
| Step (5) | Submit user transactions of different categories (Eg, Money Transfers, Business, Cash, Eating out, Education, Donations, etc) in current month period to Database.  Make sure that the sum of transactions which are defined as “Spend” is “LIMIT1 – 0.01” for current month. | Check:  After submitting each transaction to DB, that transaction should be reflected in user account on both mobile app and desktop website (To reflect, maybe a re-logon is needed).  A notification should NOT be sent. |
| Step (6) | Submit user transaction (with amount of 0.01 ) of a category that is NOT defined as “Spend” (Eg, Money Transfers, Refunds etc) in current month period to Database. | Check:  That transaction should be reflected in user account on both mobile app and desktop website (To reflect, maybe a re-logon is needed).  A notification should NOT be sent. |
| Step (7) | Submit user transaction (with amount of 0.01 ) of a category that is defined as “Spend” (Eg, Cash, Eating out, Education, Donations, etc) in current month period to Database. | Check:  That transaction should be reflected in user account on both mobile app and desktop website (To reflect, maybe a re-logon is needed).  A notification should be sent in the method that the user selected. |
| Step (8) | Step (5) to Step (7) can be repeated but test with different transaction category in Step (6) and Step (7). |  |
| Step (9) | Step (2) to Step (7) can be repeated but test with different debit or credit account, different notification method, and different monthly limit. |  |

**Test case 2: Change monthly expenses limit**

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| Step (1) | Log on to CommBank user account on both mobile app and desktop website. | Check:  User log on to user account successfully on both mobile app and desktop website. |
| Step (2) | Select debit or credit card account. | Check:  Debit or credit card account transaction details are displayed. |
| Step (3) | Select the method user would like to receive the monthly expenses notification (SMS, Email, or both) , via mobile app or desktop website. | Check:  Mobile app and website both show correct notification method. |
| Step (4) | Set monthly expenses limit to LIMIT1, via mobile app or desktop website. | Check:  Mobile app and desktop website both show correct monthly limit LIMIT1. |
| Step (5) | Submit user transactions of different categories (Eg, Money Transfers, Business, Cash, Eating out, Education, Donations, etc) in current month period to Database.  Make sure that the sum of transactions which are defined as “Spend” is “LIMIT1– 0.01” for current month. | Check:  After submitting each transaction to DB, that transaction should be reflected in user account on both mobile app and desktop website (To reflect, maybe a re-logon is needed).  A notification should NOT be sent. |
| Step (6) | Set monthly expenses limit to a lower amount LIMIT2, via mobile app or desktop website. | Check:  Mobile app and desktop website both show correct monthly limit LIMIT2.  A notification should be sent in the method that the user selected. |

**Test case 3: Turn on/off monthly expenses notification**

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| Step (1) | Log on to CommBank user account on both mobile app and desktop website. | Check:  User log on to user account successfully on both mobile app and desktop website. |
| Step (2) | Select debit or credit card account. | Check:  Debit or credit card account transaction details are displayed. |
| Step (3) | Turn off monthly expenses notification function, via mobile app or desktop website. | Check:  Mobile app and website both show that monthly expenses notification function has been turned off. |
| Step (4) | Set monthly limit to LIMIT1, via mobile app or desktop website | Check:  Mobile app and desktop website both show correct monthly limit LIMIT1 |
| Step (5) | Submit user transactions of different categories (Eg, Money Transfers, Business, Cash, Eating out, Education, Donations, etc) in current month period to Database.  Make sure that the sum of transactions which are defined as “Spend” is “LIMIT1” for current month | Check:  After submitting each transaction to DB, that transaction should be reflected in user account on both mobile app and desktop website (To reflect, maybe a re-logon is needed).  A notification should NOT be sent. |
| Step (6) | Turn on monthly expenses notification function, select the method user would like to receive the monthly expenses notification (SMS, Email, or both) , via mobile app or desktop website. | Check:  Mobile app and website both show correct notification method.  A notification should be sent in the method that the user selected. |

**Test case 4: Date/Time boundary check**

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| Step (1) | Log on to CommBank user account on both mobile app and desktop website | Check:  User log on to user account successfully on both mobile app and desktop website |
| Step (2) | Select debit or credit card account | Check:  Debit or credit card account transaction details are displayed |
| Step (3) | Select the method user would like to receive the monthly expenses notification (SMS, Email, or both) , via mobile app or desktop website | Check:  Mobile app and website both show correct notification method |
| Step (4) | Set monthly limit to LIMIT1, via mobile app or desktop website | Check:  Mobile app and desktop website both show correct monthly limit LIMIT1 |
| Step (5) | Submit user transactions of different categories (Eg, Money Transfers, Business, Cash, Eating out, Education, Donations, etc) in previous month period to Database.  Make sure that the sum of transactions which are defined as “Spend” is “LIMIT1– 0.01” for previous month | Check:  After submitting each transaction to DB, that transaction should be reflected in user account on both mobile app and desktop website (To reflect, maybe a re-logon is needed).  A notification should NOT be sent. |
| Step (6) | Submit user transactions of different categories (Eg, Money Transfers, Business, Cash, Eating out, Education, Donations, etc) in current month period to Database.  Make sure that the sum of transactions which are defined as “Spend” is “LIMIT1 – 0.01” for current month | Check:  After submitting each transaction to DB, that transaction should be reflected in user account on both mobile app and desktop website (To reflect, maybe a re-logon is needed).  A notification should NOT be sent. |
| Step (7) | Submit user transaction (with amount of 0.01 ) of a category that is defined as “Spend” (Eg, Cash, Eating out, Education, Donations, etc) in previous month period to Database. | Check:  That transaction should be reflected in user account on both mobile app and desktop website (To reflect, maybe a re-logon is needed).  A notification should NOT be sent. |
| Step (8) | Submit user transaction (with amount of 0.01 ) of a category that is defined as “Spend” (Eg, Cash, Eating out, Education, Donations, etc) in current month period to Database. | Check:  That transaction should be reflected in user account on both mobile app and desktop website (To reflect, maybe a re-logon is needed).  A notification should be sent in the method that the user selected. |

**More test cases for some special scenarios:**

If user account is locked/suspended, when expenses reach the monthly limit a notification will still be sent to the user?

Will the transactions in pending status be added to the total spend and trigger the notification?

Should the transactions of “Refunds” category be subtracted from total spend?