**LOVELY PROFESSIONAL UNIVERSITY**

Punjab, India

Software Requirements Specification

On

“PAYTM”

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Test Cases for Paytm

**Test Case #1: Signup**

**Pre-conditions:**  
The user has no account on Paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl**  **No.** | **Input** | **State** | **Expected Output** | **Actual Output** | **Result** |
| 1 | User taps on signup user option | IDLE | Signup page pops up |  | PASS |
| 2 | User taps on each of the required fields | Processing | Respective keyboards pops up |  | PASS |
| 3 | Fill up all the fields | Processing | Verify that the Registration form contains Username, First Name, Last Name, Password, Confirm Password, Email Id, Phone number, DOB Gender |  | PASS |
| 4 | Fill all the fields and press enter key | Processing | Verify that Enter/Tab key works as a substitute for the Submit button |  | PASS |
| 5 | Keep one or two fields empty, then hit submit | Processing | Verify that all the required / mandatory fields are marked with \* against the field; a single empty field must result in raising of error. |  | FAIL |
| 6 | With a previously registered user, try to sign up once again | Processing | Verify that system generates a validation message when entering existing username |  | FAIL |

**Post-conditions:**  
The user would be registered to paytm.

User data would be sent to paytm.

**Test Case #2: Login**

**Pre-conditions:**  
The user had already signed up in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl**  **No.** | **Input** | **State** | **Expected Output** | **Actual Output** | **Result** |
| 1 | User taps the user Id and enters valid user ID. | IDLE | The typed user ID is visible to anyone |  | PASS |
| 2 | User taps the password field and enters the corresponding password. | Input Processing | The typed password is hidden and represented by \* characters |  | PASS |
| 3 | Tap the login button | Processing | The app must send the encrypted credentials to the server so validate the credentials |  | PASS |
| 4 | Enter an invalid user ID | Processing | Shows error that user ID doesn’t exist |  | FAIL |
| 5 | Enter an invalid password | Processing | Shows password doesn’t exists |  | FAIL |

**Post-conditions:**  
The user would be login to paytm.

User data would be sent to paytm.

**Test Case #3: Choose Language**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl**  **No.** | **Input** | **State** | **Expected Output** | **Actual Output** | **Result** |
| 1 | Tap on the CHOOSE LANGUAGE option | IDLE | A variety of available languages is shown |  | PASS |
| 2 | Tap on BENGALI | Processing | All the option should convert the text from the default language to the BENGALI |  | PASS |
| 3 | Tap Save Preferences | Processing | Preferences would be sent to the servers |  | PASS |
| 4 | Close and reopen the PAYTM app | Processing | Paytm app would reopen and the language would be sent to BENGALI |  | PASS |
| 5 | Tap on reset to default button | Processing | Language would be set to English(Default Language) |  | PASS |
| 6 | Tap on ENGLISH | Processing | Show error as the language is already set as English |  | FAIL |
| 7 | Tap ‘Save Preferences’ | Processing | Preferences would be sent to the servers |  | PASS |

**Post-conditions:**  
The user would change language of paytm app.

User data would be sent to paytm.

**Test Case #4: Help and Support**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Tap on the Help and support option | IDLE | Help and support activity pops up |  | PASS |
| 2 | Tap on the search bar and start typing the query | Searching | Instantaneous suggestion must be visible to the user |  | PASS |
| 3 | Press on any of the suggestion | Processing | A detailed overview would be shown in a separate activity. |  | PASS |
| 4 | Start typing random letters that are not any word | Searching | Instantaneous asynchronous message would show up that the searched keywords does not exist |  | FAIL |

**Post-conditions:**  
The user would be able get help from the community as well as tech support team.

User data would be sent to paytm.

**Test Case #5: Paying to mobile number**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

User has enough wallet balance for performing minimum transaction.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Enter invalid phone number | Processing | System should show error on the go |  | FAIL |
| 2 | Enter valid number | Processing | System should remove the error message |  | PASS |
| 3 | Enter amount as 0 | Processing | System should show error |  | FAIL |
| 4 | Enter a positive integer | Processing | Error must disappear |  | PASS |
| 5 | Enter an integer with more than 2 decimal places | Processing | Error should appear again |  | FAIL |
| 6 | Enter an integer with two | Processing | Enter must disappear |  | PASS |
| 7 | Tap ‘Pay’ button | Processing | Data sent to servers |  | PASS |

**Post-conditions:**  
The user would be able to pay money to another mobile number user.

User data would be sent to paytm.

**Test Case #6: Pay money to bank account number**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

User has enough wallet balance for performing minimum transaction.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Enter invalid bank account number | Processing | System should show error on the go |  | FAIL |
| 2 | Enter valid bank account number | Processing | System should remove the error message |  | PASS |
| 3 | Enter amount as 0 | Processing | System should show error |  | FAIL |
| 4 | Enter a positive integer | Processing | Error must disappear |  | PASS |
| 5 | Enter an integer with more than 2 decimal places | Processing | Error should appear again |  | FAIL |
| 6 | Enter an integer with two decimal places | Processing | Enter must disappear |  | PASS |
| 7 | Tap ‘Pay’ button | Processing | Data sent to servers |  | PASS |

**Post-conditions:**  
The user would be able to pay money to another bank account.

User data would be sent to paytm.

**Test Case #7: Pay through QR Code**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

User has enough wallet balance for performing minimum transaction.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Scan any random object | Processing | System should show error that not a valid QR Code |  | FAIL |
| 2 | Scan a proper paytm QR code | Processing | System should accept the scanned code |  | PASS |
| 3 | Enter amount as 0 | Processing | System should show error |  | FAIL |
| 4 | Enter a positive integer | Processing | Error must disappear |  | PASS |
| 5 | Enter an integer with more than 2 decimal places | Processing | Error should appear again |  | FAIL |
| 6 | Enter an integer with two | Processing | Enter must disappear |  | PASS |
| 7 | Tap ‘Pay’ button | Processing | Data sent to servers |  | PASS |

**Post-conditions:**  
The user would be able to pay money to another mobile number user via QR code.

User data would be sent to paytm.

**Test Case #8: View paytm Passbook**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Tap on the paytm passbook icon | IDLE | An activity containing all the transaction should pop up |  | PASS |
| 2 | Set ‘from and to’ fields which contain valid transactions | Processing | An activity containing all the transactions in between the specified time stamps should be popped up. |  | PASS |
| 3 | Set ‘from and to’ fields which contains no transactions | Processing | An activity should show that there were no transactions in between the time period selected by the user. |  | FAIL |

**Post-conditions:**  
The user would be able view all the transaction that he had made.

User data would be sent to paytm.

**Test Case #9: Add money to paytm wallet**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

User has a bank account.

User has enough bank/debit card balance for performing minimum transaction.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Enter an invalid bank account number or debit card number with less number of digits | Processing | Instantaneous error should be shown |  | FAIL |
| 2 | Enter a debit card number where the number of digits matches the requirements; but in reality the card number does not exist | Processing | Error won’t be showing before tapping on the ADD Button. After the tapping on the ADD button & after verification, a notification would pop up that the card does not exist. |  | FAIL |
| 3 | Enter a correct and valid debit card number with correct CVV and all necessary requirements | Processing | System would accept the input field |  | PASS |
| 4 | Enter invalid amount | Processing | Instantaneos error would be shown. |  | FAIL |
| 5 | Enter amount exceeding in bank account balance | Processing | After tapping ADD button, error should pop up |  | FAIL |
| 6 | Enter valid amount | Processing | Accepted |  | PASS |
| 7 | Tap on the add button | Processing | Transaction should start processing |  | PASS |

**Test Case #10: Nearby KYC Point**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Tap on nearby KYC Point in | IDLE | Nearby KYC Point should popup |  | PASS |
| 2 | Turn off location service in the device | Processing | Error/ Suggestion to turn on Location service should be visible |  | FAIL |
| 3 | Turn on location service in the device when internet speed is too slow | Processing | Display error that internet speed is too slow to get the location of the KYC point |  | FAIL |
| 4 | Turn on location service in the device with a good net speed | Processing | Local map containing all the nearby KYC Points and landmarks should be visible |  | PASS |
| 5 | Tap on expected distance button | Processing | Optimum marked route and estimated time & distance should be calculated and shown |  | PASS |

**Post-conditions:**  
The user would be able to see nearby PAYTM locations.

User data would be sent to paytm.

**Test Case #11: Mobile Recharge**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

User has a working mobile number to be recharged.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Enter invalid mobile number | Processing | Error should pop up showing that entered mobile number is not correct |  | FAIL |
| 2 | Enter valid mobile number | Processing | Accepted input |  | PASS |
| 3 | Enter invalid amount | Processing | Error showing the entered amount is not a valid amount |  | FAIL |
| 4 | Enter invalid promo code | Processing | Error showing that the promo code is not valid |  | FAIL |
| 5 | Enter valid promo code | Processing | Promo code applied and deducted from payment |  | PASS |
| 6 | Tap REVERT button | Processing | Revert transaction, clearing all the transaction |  | PASS |
| 7 | Tap RECHARGE button | Processing | Transaction should start processing |  | PASS |

**Post-conditions:**  
The user would be able to recharge his/her mobile number

User data would be sent to paytm.

**Test Case #12: Electricity Bill payments**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

User has a valid electricity Bill ID

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Enter invalid electricity bill ID | Processing | Show error |  | FAIL |
| 2 | Enter valid electricity bill ID | Processing | Show accepted tick in the placeholder |  | PASS |
| 3 | Specify invalid time period | Processing | Show error |  | FAIL |
| 4 | Specify correct time period | Processing | Show accepted tick in the placeholder |  | PASS |
| 5 | Specify Amount exceeding the wallet balance | Processing | Notify about the amount is exceeding the wallet balance |  | FAIL |
| 6 | Specify Amount under the wallet balance | Processing | Accept the input |  | PASS |
| 7 | Press PAY | Processing | Start transaction |  | FAIL |

**Post-conditions:**  
The user would be able to pay Electricity Bills using PAYTM

User data would be sent to paytm.

**Test Case #13: Movie Tickets**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Tap on the Movie Tickets section | IDLE | Fires up Movie Ticket section in [the display |  | PASS |
| 2 | Enter Theatre name and location which does not exist | Processing | Show possible suggestion and if doesn’t match any, then shows error |  | FAIL |
| 3 | Enter valid Theatre name and location | Processing | Accept input |  | PASS |
| 4 | Enter number of person as 0 | Processing | Show error |  | FAIL |
| 5 | Enter number of person more than or equal to 1 | Processing | Accept input |  | PASS |
| 6 | Choose movie which is already housefull | Processing | Show error |  | FAIL |
| 7 | Choose movie with invalid seat number | Processing | Show error |  | FAIL |
| 8 | Choose valid seat | Process | Accept input |  | PASS |
| 9 | Pay when paytm wallet balance is lower than ticket price | Processing | Notify that the wallet balance is not enough to complete the transaction |  | FAIL |
| 10 | Tap on ORDER button | Processing | Start the transaction |  | PASS |

**Post-conditions:**  
The user would be able to buy Movie tickets.

User data would be sent to paytm.

**Test Case #14: DTH Recharge**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

User has a valid VC No. for DTH Recharge

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Enter wrong viewing card number | Processing | Show error that VC No. does not exist |  | FAIL |
| 2 | Enter valid VC No. | Processing | Accept Input |  | PASS |
| 3 | Select Plan | Processing | Accept input |  | PASS |
| 4 | Enter amount | Processing | Accept input |  | PASS |
| 5 | Enter wrong promo code | Processing | Show error |  | FAIL |
| 6 | Enter correct promo code | Processing | Accept input and deduce the payment required |  | PASS |
| 7 | Tap on PAY | Processing | Process the Transaction |  | PASS |

**Post-conditions:**  
The user would be able to recharge DTH Services.

User data would be sent to paytm.

**Test Case #15: Train tickets**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Input invalid passenger details | Processing | Shows error |  | FAIL |
| 2 | Input valid passenger details | Processing | System accepts |  | PASS |
| 3 | Input the source and destination such that there no direct route | Processing | Shows invalid message that direct route does not exist |  | FAIL |
| 4 | Input the valid source and destination such that direct route exists | Processing | System Accepts the input source and destination |  | PASS |
| 5 | Apply wrong PROMO code | Processing | Show error that PROMO Code could be applied |  | FAIL |
| 6 | Apply Correct PROMO code | Processing | Deducts payable amount and shows success popup |  | PASS |
| 7 | Tap on PROCEED | Processing | Starts transaction |  | PASS |

**Post-conditions:**  
The user would be able to buy train tickets.

User data would be sent to paytm.

**Test Case #16: School/College/University fees payment**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

User is registered to the specified Institution.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Input invalid registration ID | Processing | Shows Error that registration ID is not valid |  | FAIL |
| 2 | Input authentic registration ID | Processing | System accepts the input and indicates by placing a tick placeholder |  | PASS |
| 3 | Choose invalid duration | Processing | Shows error that duration is not valid |  | FAIL |
| 4 | Choose valid duration | Processing | System accepts the input |  | PASS |
| 5 | Enter amount that is beyond the paytm wallet balance | Processing | Notify that paytm wallet balance is not high enough to continue the transaction |  | FAIL |
| 6 | Enter amount that is under the wallet balance | Processing | System accepts |  | PASS |
| 7 | Tap on the PROCEED | Processing | Start transaction |  | PASS |

**Post-conditions:**  
The user would be able to pay Institution fees.

User data would be sent to paytm.

**Test Case #17: Paytm Shopping**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Open up Paytm shopping | IDLE | Opens up Paytm shopping section |  | PASS |
| 2 | Choose an item which is out of stock | Searching | Shows the detailed description of the chosen product |  | PASS |
| 3 | Place the order by providing shipping address | Processing | Shows error that the chosen product is out of stock |  | FAIL |
| 4 | Choose another order which is available | Searching | Shows the detailed description of the chosen product |  | PASS |
| 5 | Apply wrong PROMO Code | Processing | Shows that the applied PROMO code is invalid |  | FAIL |
| 6 | Apply Correct PROMO Code | Processing | Payable amount is deduced to some extent |  | PASS |
| 7 | Place the order by providing valid shipping address | Processing | Processes the transaction and show the current status of delivery |  | PASS |

**Post-conditions:**  
The user would be able to buy products online.

User data would be sent to paytm.

**Test Case #18: Notification or the status of the delivery of the**

**product**

**Pre-conditions:**  
The user had already logged in paytm.  
User is having internet connectivity and has paytm app installed in his/her smartphone.

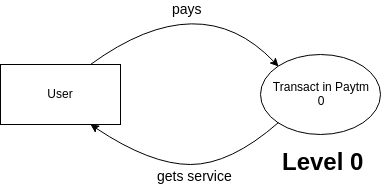
User has placed some order in Paytm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl  No. | Input | State | Expected Output | Actual Output | Result |
| 1 | Tap on the notification icon | IDLE | All the notifications are visible |  | PASS |
| 2 | Tap on any message | Processing | Detailed description of the message is shown |  | PASS |
| 3 | Hit the back button | Processing | Get to the previous screen |  | PASS |
| 4 | Tap on Delivery Status | Processing | Opens up the delivery Status activity |  | PASS |
| 5 | Tap on track delivery | Processing | Shows the exact location of product which being delivered |  | PASS |
| 6 | Tap on cancel order | Processing | A confirmation dialog box appears, if yes cancel |  | PASS |
| 7 | Tap on return product | Processing | Shows invalid message because the product is yet to be delivered |  | FAIL |

**Post-conditions:**  
The user would be able to get updated with the delivery status.

User data would be sent to paytm.

**Data Flow Diagrams(DFD) of Paytm**

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