

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.

SI 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.

SI 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 exist		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.

SI 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	Searchin g	Instantaneous suggestion must be visible to the user		PASS
3	Press on any of the suggestion	Processi ng	A detailed overview would be shown in a separate activity.		PASS
4	Start typing random letters that are not any word	Searchin g	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	Error 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	Error 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	Error 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	Instantaneous 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



