# **Assignment - 01**

## ***Test Cases for OTP***

## **Testcase\_01** : Verify that the OTP is received on a registered mobile number or verified email address.

## **Testcase\_02** : Check if the OTP is numeric or alphanumeric.

## **Testcase\_03** : Check if the OTP is generated within the specific time period

## **Testcase\_04** : Check whether the generated OTP is still valid after one instance.

## **Testcase\_05** : Check the length of the OTP code.

## **Testcase\_06** : Verify that one registered mobile number should not receive the same OTP more than once.

## **Testcase\_07** : Verify that the OTP code is valid for a specific time

## **Testcase\_08** : Check the OTP's limit to ensure validation.

## **Testcase\_09** : Verify that OTP expires after some time or not.

## **Testcase\_10** : Verify that the user is able to enter old OTP or not

## **Testcase\_11** : Check if the user is able to resend OTP requests or not

## **Testcase\_12** : Ensure that the OTP is not reused for another transaction after it has been used.

## **Testcase\_13** : Verify that the OTP should be valid for only one time.

## **Testcase\_14** : Verify that the user receives a unique OTP for every activity or transaction.

## **Testcase\_15** : Check and validate the time duration to receive the email or sms with the OTP-generated code.

## **Testcase\_16** : Check the number of times a user can enter an invalid OTP.

## **Testcase\_17:** Verify by entering the OTP; the code must be successfully accepted by the application.

## **Testcase\_18** : Verify that the OTP code expires when the program or application permits it to.

## **Testcase\_19** : Verify that the OTP has expired if the user does not use the generated OTP within the allotted time, it should expire shortly.

## **Testcase\_20** : Check if the user can log in with the expired OTP.

## **Testcase\_21**: Verify that the system should not accept the OTP code once expired.

## **Testcase\_22** : Check if the user can click the "resend code" button or link to request a new OTP code.

## **Testcase\_23** : To send the OTP again, see if there is a pause period.

## **Testcase\_24** : Check whether there is a limit on the number of times the OTP code can be sent again. (For example, a user may attempt up to five times.)

## **Testcase\_25** : Check if the user should be temporarily blocked if they repeatedly request an OTP code.

## **Testcase\_26** : Check if the user can request a new code if by any chance they could not

## **Testcase\_27** : Verify how many times a user is permitted to enter an incorrect OTP

## **Testcase\_28** : Check by providing an incorrect phone number or email address and then submit the OTP. Verify the authenticity.

## **Testcase\_29** : Verify that the user receives a proper confirmation message if they enter a valid OTP code.

## **Testcase\_30** : Verify that the user receives a proper error message if they enter an invalid OTP code.

## **Testcase\_31**: Check if the user receives multiple OTP, can be able to access only with the last OTP code.

* **Testcase\_32:** Check whether the OTP expires after some time or not.
* **Testcase\_33**: Check if the user received the old or new OTP code after clicking the “Resend” button.
* **Testcase\_34**: Check the period of time of unblocking the system when it is temporarily blocked for repeated wrong attempts.
* **Testcase\_35**: Verify if there are any pop up messages displayed for continuous wrong OTP code.
* **Testcase\_36:** Verify if any character or special character type input is accepted for an integer type input and vice versa.
* **Testcase\_37**: Check whether the incorrect OTP code is rejected or accepted.
* **Testcase\_38**: Verify that the user can request for another OTP if the first OTP is not correct or accepted by the system.
* **Testcase\_39**: Check if the input field only accepts codes of the required length.
* **Testcase\_40**: Verify if the OTP code can be used on multiple devices.
* **Testcase\_41**: Verify that the user has received a sms or email that means notified when a new OTP code has been sent.
* **Testcase\_42**: Check whether the OTP code patterns are predictable or not.

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