

Test Design Techniques

User Story : User Registration with Valid Details

Title: User Registration / Sign-Up Functionality

Description: Allow new users to register an account by providing necessary personal information such as name, address, contact number, and credentials. This enables users to create their online banking profile and access the platform securely.

Type: Functional

Test Cases:

- 1. User Registration with Valid Details

Applied Test Design Techniques : Equivalence Partitioning (EP) and Boundary Value Analysis (BVA)

Equivalence Partitioning (EP)

- 1. Equivalence Partitioning (EP) is used for Input field validation (e.g., valid vs invalid formats)
- 2. Username formats, password rules, phone number formats, etc.

Equivalence Partitioning (EP)		
Field	Valid	Invalid
Email	"user@example.com"	"user@.com"
Password	At least 8 characters	Less than 8 characters
Zip Code	5-digit numbers	Letters, special characters

Boundary Value Analysis (BVA)

- 1. It has been used to show how different combinations of field inputs (valid/invalid) affect outcome.
- 2. Password: Check for length 7, 8, 9 (assuming min = 8, max=20)
- 3. Zip Code: 9999 (invalid), 10000 (valid), 99999 (valid), 100000 (invalid)

Boundary Value Analysis (BVA)-Password

Invalid	Valid	Invalid
7	8,.....20	9

Boundary Value Analysis (BVA)- Zip code

Invalid	Valid	Invalid
9999	10000,.....99999	100000