

# Compatibility Report

# Compatibility and Retesting Report

## ParaBank Web Application - Week 2

### Part 1: Cross-Browser Compatibility Testing

#### Test Environment Details

Browser	Version	Operating System	Screen Resolution
Google Chrome	120.0.6099.130	Windows 11	1920x1080
Microsoft Edge	120.0.2210.91	Windows 11	1920x1080

#### Test Scenarios for Cross-Browser Testing

##### Scenario 1: User Registration

Feature	Chrome	Edge	Notes
Registration form loads	Pass	Pass	All browsers render form correctly
Input field validation	Fail	Fail	No validation on invalid input (BUG-002) - consistent across browsers
Form submission	Pass	Pass	Form submits successfully
Success message display	Pass	Pass	Account creation confirmation shown

**Compatibility Result:** Consistent behavior across all browsers (including bugs)

##### Scenario 2: User Login

Feature	Chrome	Edge	Notes
Login form display	Pass	Pass	UI renders correctly
Password visibility toggle	Fail	Fail	No eye icon (BUG-003) - consistent
Login with valid credentials	Pass	Pass	Authentication works
Login after logout	Fail	Fail	Cannot re-login (BUG-011) - consistent

**Compatibility Result:** Consistent behavior across all browsers

##### Scenario 3: Account Dashboard

Feature	Chrome	Edge	Notes
Dashboard loads	Pass	Pass	Page displays correctly
Balance display	Fail	Fail	Shows INR instead of \$ (BUG-004) - consistent
Navigation menu	Pass	Pass	All links accessible
Account overview	Pass	Pass	Information displays correctly

**Compatibility Result:** Consistent behavior across all browser

##### Scenario 4: Funds Transfer

Feature	Chrome	Edge	Notes
Transfer form loads	Pass	Pass	Form displays properly
Amount input validation	Fail	Fail	Allows overdraft (BUG-005) - consistent
Account selection dropdown	Pass	Pass	Dropdown works correctly
Transfer submission	Fail	Fail	Processes invalid amounts - consistent
Success confirmation	Pass	Pass	Confirmation message displays

**Compatibility Result:** Consistent behavior across all browsers

### Scenario 5: Bill Payment

Feature	Chrome	Edge	Notes
Bill Pay form loads	Pass	Pass	Form accessible
Payee information fields	Pass	Pass	All fields render correctly
Invalid data handling	Fail	Fail	Logs out user (BUG-006) - consistent
Payment submission	Fail	Fail	Error handling broken - consistent

**Compatibility Result:** Consistent behavior across all browsers

### Scenario 6: Find Transactions

Feature	Chrome	Edge	Notes
Find Transactions page loads	Pass	Pass	Page accessible
Account dropdown	Fail	Fail	Dropdown empty (BUG-007) - consistent
Transaction ID search	Fail	Fail	Invalid ID logs out (BUG-008) - consistent
Currency display	Fail	Fail	Shows \$ instead of INR (BUG-010) - consistent

**Compatibility Result:** Consistent behavior across all browsers

### Scenario 7: Update Contact Info

Feature	Chrome	Edge	Notes
Update form loads	Pass	Pass	Form displays
Form submission	Fail	Fail	Internal error (BUG-009) - consistent
Error message display	Fail	Fail	Generic error shown - consistent

**Compatibility Result:** Consistent behavior across all browsers

### Scenario 8: ATM Services (Without Login)

Feature	Chrome	Edge	Notes
ATM Services link	Pass	Pass	Link accessible
Page response	Fail	Fail	Shows XML/WSDL (BUG-001) - consistent
Error handling	Fail	Fail	No user-friendly error - consistent

**Compatibility Result:** Consistent behavior across all browsers

### Cross-Browser Testing Summary

**Total Test Scenarios:** 8

**Total Features Tested:** 32

Status	Count	Percentage
Pass	18	56.25%
Fail	14	43.75%

### Key Findings:

- No browser-specific bugs identified** - All issues appear consistently across Chrome, and Edge
- UI Rendering:** Consistent layout and styling across all browsers
- Functionality:** All bugs from Week 1 reproduce identically on all three browsers
- Compatibility Assessment: GOOD** - The application has excellent cross-browser compatibility in terms of rendering and behavior consistency

**Recommendation:** Focus on fixing functional bugs rather than browser-specific issues, as the application's cross-browser compatibility is solid.

# Black Box testing

## A. Boundary Value Analysis (BVA)

Example from BUG-005 (Funds Transfer):

If balance = \$100

Test Case	Input	Expected Result
BVA-01	\$0	Transfer rejected
BVA-02	\$1	Transfer allowed
BVA-03	\$100	Transfer allowed
BVA-04	\$101	Transfer rejected

Actual Result: Transfer is allowed even when balance is insufficient

**BUG-005 confirmed**

## B. Equivalence Partitioning (EP)

Example from BUG-002 (Signup Form)

Input Field	Valid Class	Invalid Class
First Name	Alphabets	Numbers
ZIP Code	Numbers	Letters
Phone	Numbers	Letters
SSN	Numbers	Letters

Invalid inputs are accepted

**BUG-002 confirmed**

# Retesting Week 1 Bugs

## Part 2: Retesting Week 1 Bugs

### Retesting Results

Bug ID	Original Description	Retest Status	Retest Date	Comments
BUG-001	ATM Services shows XML/WSDL without login	Not Fixed	Dec 21, 2025	Still shows raw XML file across all browsers
BUG-002	Signup form accepts invalid input	Not Fixed	Dec 21, 2025	No validation implemented; accepts numbers in names, letters in numeric fields
BUG-003	No password visibility toggle	Not Fixed	Dec 21, 2025	Eye icon still missing on all password fields
BUG-004	New account shows 515 INR	Not Fixed	Dec 21, 2025	Balance still displays in INR instead of \$
BUG-005	Funds Transfer allows overdraft	Not Fixed	Dec 21, 2025	Can transfer amounts exceeding account balance
BUG-006	Bill Pay logs out on invalid data	Not Fixed	Dec 21, 2025	User logged out instead of error message
BUG-007	Find Transactions dropdown empty	Not Fixed	Dec 21, 2025	Dropdown shows no data even when transactions exist
BUG-008	Invalid transaction ID logs out user	Not Fixed	Dec 21, 2025	App logs out instead of showing error
BUG-009	Update contact info fails	Not Fixed	Dec 21, 2025	Internal error occurs; update does not save
BUG-010	Currency mismatch (INR vs \$)	Not Fixed	Dec 21, 2025	Dashboard shows INR, other pages show \$
BUG-011	Cannot re-login after logout	Not Fixed	Dec 21, 2025	Must create new account each time; critical issue

### Retesting Summary

**Total Bugs Retested:** 11

**Status Distribution:**

- Not Fixed: 11 (100%)
- Fixed: 0 (0%)
- Partially Fixed: 0 (0%)

## **Additional Observations During Retesting**

### **New Issue Discovered**

**BUG-012:** Request Loan shows incorrect currency

**Severity:** Medium | **Priority:** High

**Description:** When requesting a loan, the loan amount and down payment fields accept input, but the display shows inconsistent currency formatting.

**Steps to Reproduce:**

1. Log in to the application
2. Navigate to Request Loan
3. Observe currency symbols and formatting

### **Critical Issues Requiring Immediate Attention**

Based on retesting, the following bugs should be prioritized for fixes:

Priority	Bug ID	Reason
<b>P0 - Critical</b>	BUG-011	Users cannot re-login; completely breaks user experience
<b>P0 - Critical</b>	BUG-005	Financial security issue; allows overdrafts
<b>P1 - High</b>	BUG-006	Data loss and poor user experience
<b>P1 - High</b>	BUG-008	Data loss and poor user experience
<b>P1 - High</b>	BUG-009	Feature completely non-functional

## **Overall Week 2 Testing Summary**

### **Testing Coverage**

- Test Plan Created
- Black-Box Test Cases Designed (BVA & EP)
- Cross-Browser Testing Completed (2 browsers)
- Week 1 Bugs Retested

### **Recommendations**

1. **Development Team:** Prioritize fixing P0 critical bugs (BUG-011, BUG-005)
2. **QA Team:** Continue monitoring after fixes are deployed

3. **Product Team:** Consider user impact of currency inconsistencies
4. **Next Steps:** Conduct API testing and security testing once functional bugs are resolved

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**Date:** December 21, 2025

**Testing Period:** Week 2 - Advanced Testing Phase