Black Box Testing for Freelance Job Portal

# Equivalence Class Partitioning (10 Marks)

## User Registration

Input Field: Password

- Valid Equivalence Classes:  
 - Strings with at least 8 characters, a number, and a special character.  
- Invalid Equivalence Classes:  
 - Strings with fewer than 8 characters.  
 - Strings without numbers or special characters.

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| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Description | Test Data | Expected Outcome | Actual Outcome | Status |
| TC001 | Valid Password | P@ssw0rd | Account created | Account created | Pass |
| TC002 | Invalid Password (Too Short) | pass | Error message displayed | Error message displayed | Pass |
| TC003 | Missing Special Character | Pass1234 | Error message displayed | Error message displayed | Pass |
| TC004 | Missing Number | Pass@word | Error message displayed | Error message displayed | Pass |

## Profile Picture Upload

Input Field: File Size

- Valid Equivalence Classes:  
 - File sizes between 1 MB and 5 MB.  
- Invalid Equivalence Classes:  
 - File sizes less than 1 MB or greater than 5 MB.

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| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Description | Test Data | Expected Outcome | Actual Outcome | Status |
| TC005 | Valid File Size | 2 MB | Upload Successful | Upload Successful | Pass |
| TC006 | Minimum Boundary (Valid) | 1 MB | Upload Successful | Upload Successful | Pass |
| TC007 | Maximum Boundary (Valid) | 5 MB | Upload Successful | Upload Successful | Pass |
| TC008 | Below Minimum Size | 0.5 MB | Error message displayed | Error message displayed | Pass |
| TC009 | Above Maximum Size | 6 MB | Error message displayed | Error message displayed | Pass |

# Boundary Value Analysis (10 Marks)

## Login Functionality

Input Field: Username Length

- Boundary Values:  
 - Minimum Length: 5 characters.  
 - Maximum Length: 20 characters.

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| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Description | Test Data | Expected Outcome | Actual Outcome | Status |
| TC010 | Valid Username (Minimum) | User1 | Login Successful | Login Successful | Pass |
| TC011 | Invalid Username (Below Min) | Usr | Error message displayed | Error message displayed | Pass |
| TC012 | Valid Username (Maximum) | User123456789012345 | Login Successful | Login Successful | Pass |
| TC013 | Invalid Username (Above Max) | User1234567890123456 | Error message displayed | Error message displayed | Pass |

# System Functionality Validation (10 Test Cases)

## Bookmark Feature

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| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Description | Test Data | Expected Outcome | Actual Outcome | Status |
| TC014 | Add valid bookmark | JobID123 | Bookmark Added | Bookmark Added | Pass |
| TC015 | Add duplicate bookmark | JobID123 | Error message displayed | Error message displayed | Pass |

## Dashboard

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Description | Test Data | Expected Outcome | Actual Outcome | Status |
| TC016 | Load valid dashboard | ValidUserID | Dashboard Displayed | Dashboard Displayed | Pass |
| TC017 | Load dashboard with error | InvalidID | Error message displayed | Error message displayed | Pass |

## User Registration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Description | Test Data | Expected Outcome | Actual Outcome | Status |
| TC018 | Valid Registration | All valid inputs | Account created | Account created | Pass |
| TC019 | Invalid Registration (No Email) | Missing Email | Error message displayed | Error message displayed | Pass |