**🔹 1. Phone Number Field Testing**

| **Test Case** | **Description** |
| --- | --- |
| TC1 | Leave phone number empty → error message |
| TC2 | Enter less than 10 digits → show "Invalid phone number" |
| TC3 | Enter more than 10 digits → not allowed or error |
| TC4 | Enter alphabets/special characters → error |
| TC5 | Enter valid 10-digit number → pass |
| TC6 | Copy-paste into phone field → should work correctly |
| TC7 | Check placeholder: "Enter phone number" visible or not |
| TC8 nakjsdhfjkk |  |

**🔹 2. Password Field Testing**

| **Test Case** | **Description** |
| --- | --- |
| TC8 | Leave password empty → show "Password is required" |
| TC9 | Enter less than 6 characters → show "Password too short" |
| TC10 | Enter correct length password → allow |
| TC11 | Enter only spaces → error |
| TC12 | Copy-paste password → allowed or not (based on policy) |

**🔹 3. Show/Hide Password Toggle**

| **Test Case** | **Description** |
| --- | --- |
| TC13 | Default state: password should be hidden (type="password") |
| TC14 | Click "Show Password" → should display password in plain text (type="text") |
| TC15 | Click again → should hide it again |
| TC16 | Toggle works multiple times correctly |
| TC17 | Long password visibility toggle works or not |

**🔹 4. Forgot Password Link**

| **Test Case** | **Description** |
| --- | --- |
| TC18 | Forgot password link visible |
| TC19 | Click the link → redirect to correct page or open modal |
| TC20 | New screen/page has phone/email input for reset |
| TC21 | Invalid email/phone in reset → show proper error |
| TC22 | Functional flow till OTP/reset password page works correctly |

**🔹 5. Login Button**

| **Test Case** | **Description** |
| --- | --- |
| TC23 | Both fields empty → disable or show validation |
| TC24 | Only phone filled → error |
| TC25 | Only password filled → error |
| TC26 | Both valid inputs → click login → check success or failure |
| TC27 | Invalid login → show generic error (“Invalid credentials”) |
| TC28 | Successful login → redirect to home/dashboard page |

**🔹 6. UI/UX & Accessibility Testing**

| **Test Case** | **Description** |
| --- | --- |
| TC29 | Responsive layout: check on mobile, tablet, desktop |
| TC30 | Field focus (Tab key navigation works) |
| TC31 | Font size, alignment, colors are consistent |
| TC32 | Error messages are readable and properly positioned |
| TC33 | Show/hide password accessible with keyboard |
| TC34 | "Enter" key on keyboard submits form or not |
| TC35 | Autofill from browser works or not |

**🔹 7. Security/Edge Case Testing**

| **Test Case** | **Description** |
| --- | --- |
| TC36 | Try SQL Injection (' OR 1=1 --) in fields → should not work |
| TC37 | Password visible toggle doesn’t save in memory |
| TC38 | Max login attempts handled (lockout or message shown) |
| TC39 | Browser back button after login → should not go to login page again (session handling) |

**✅ Full Test Case List for Registration Page**

Main ye test cases divide kar raha hoon sections mein (field-wise + functional + UI/security).

**🔹 1. Full Name Field Test Cases**

| **Test Case ID** | **Description** |
| --- | --- |
| TC01 | Leave name blank → show "Full name is required" |
| TC02 | Enter valid name → allow |
| TC03 | Enter name with numbers (e.g., Dev123) → show error |
| TC04 | Enter name with special characters (!@#) → show error |
| TC05 | Enter long name (100+ characters) → handle properly |
| TC06 | Copy-paste into name field → allowed and trimmed |

**🔹 2. Phone Number Field Test Cases**

(Similar to login page)

| **Test Case ID** | **Description** |
| --- | --- |
| TC07 | Leave phone number empty → show error |
| TC08 | Enter less than/more than 10 digits → error |
| TC09 | Enter invalid characters → error |
| TC10 | Enter valid 10-digit number starting from 6-9 → pass |
| TC11 | Duplicate number (already registered) → show “already exists” error |
| TC12 | Country code supported or not (if applicable) |

**🔹 3. Create Password Field Test Cases**

| **Test Case ID** | **Description** |
| --- | --- |
| TC13 | Leave empty → show “Password required” |
| TC14 | Enter < 6 characters → weak password warning |
| TC15 | Enter strong password → accept |
| TC16 | Enter only spaces → error |
| TC17 | Password strength indicator visible (optional) |
| TC18 | Show/hide password toggle works properly |

**🔹 4. Confirm Password Field Test Cases**

| **Test Case ID** | **Description** |
| --- | --- |
| TC19 | Leave empty → show “Confirm password required” |
| TC20 | Confirm password ≠ create password → show mismatch error |
| TC21 | Confirm password = create password → success |
| TC22 | Password match case-sensitive check |

**🔹 5. “I Agree to Terms & Privacy” Checkbox**

| **Test Case ID** | **Description** |
| --- | --- |
| TC23 | Leave checkbox unchecked → disable Register button or show warning |
| TC24 | Check the box → allow form submission |
| TC25 | Click “terms & privacy” link → opens correct page (target="\_blank") |
| TC26 | Keyboard navigation works for checkbox (Tab + Space) |

**🔹 6. Register Now Button**

| **Test Case ID** | **Description** |
| --- | --- |
| TC27 | All fields valid + checkbox checked → registration successful |
| TC28 | Missing any field → show relevant validation |
| TC29 | Register button disabled until all fields filled + checkbox ticked |
| TC30 | Double click on button → should not submit twice |
| TC31 | Show success message / redirect after registration |

**🔹 7. UI/UX Test Cases**

| **Test Case ID** | **Description** |
| --- | --- |
| TC32 | Placeholder text visible in all fields |
| TC33 | Proper spacing/alignment between fields |
| TC34 | Mobile responsive layout |
| TC35 | Focus indicator when tabbing through fields |
| TC36 | Autofill from browser (if allowed) works correctly |

**🔹 8. Security & Backend Validation**

| **Test Case ID** | **Description** |
| --- | --- |
| TC37 | SQL injection in any field → should be blocked |
| TC38 | Password not visible in browser memory |
| TC39 | Duplicate phone number should not allow registration |
| TC40 | Validation also happens on backend (not just frontend) |
| TC41 | Passwords hashed/stored securely (API response check) |

**✅ Forgot Password – Test Cases List**

**🔹 1. Phone Number Field Validation**

| **Test Case ID** | **Description** |
| --- | --- |
| FP01 | Field empty and “Send OTP” clicked → show “Phone number is required” |
| FP02 | Enter less than 10 digits → show “Invalid phone number” error |
| FP03 | Enter more than 10 digits → error or auto-trim |
| FP04 | Enter alphabets/special characters → error |
| FP05 | Valid phone number entered → allow OTP submission |
| FP06 | Phone number not registered → show “Number not found” or similar |
| FP07 | Copy-paste works properly |
| FP08 | Field accepts only digits (restrict others on input) |
| FP09 | Country code support (if applicable) — optional |

**🔹 2. Send OTP Button Functionality**

| **Test Case ID** | **Description** |
| --- | --- |
| FP10 | Button disabled when field is empty |
| FP11 | Button enabled only after valid phone input |
| FP12 | Clicking “Send OTP” triggers correct API/OTP logic |
| FP13 | Success: Show “OTP sent successfully” message |
| FP14 | Failure: Show proper error if OTP not sent |
| FP15 | Loading spinner or disable button during OTP send request |
| FP16 | Button cannot be spam-clicked (rate limit / debounce) |
| FP17 | OTP resend allowed only after timeout (optional) |

**🔹 3. UI/UX Test Cases**

| **Test Case ID** | **Description** |
| --- | --- |
| FP18 | Placeholder text correctly shown (“Enter your phone number”) |
| FP19 | Responsive layout (mobile/tablet/desktop) |
| FP20 | Proper alignment and spacing |
| FP21 | Keyboard navigation works (Tab key to move focus) |
| FP22 | On hitting Enter key, OTP send should trigger |

**🔹 4. Security Test Cases**

| **Test Case ID** | **Description** |
| --- | --- |
| FP23 | SQL injection or script injection in phone field blocked |
| FP24 | API response does not reveal if phone number is registered (for security) |
| FP25 | OTP send rate limiting (e.g. max 3 per minute) |
| FP26 | Logs don’t store phone number/OTP in plain text (backend-level) |

**🔹 5. Backend/Functional Test Cases (if you're testing end-to-end)**

| **Test Case ID** | **Description** |
| --- | --- |
| FP27 | OTP received on correct number (if real SMS sent) |
| FP28 | OTP expires after timeout (e.g., 5 mins) |
| FP29 | OTP can’t be reused |
| FP30 | After OTP sent, redirects or opens OTP input screen |

**✅ Complete Test Cases for OTP Verification Page**

**🔹 1. OTP Input Field Validation**

| **Test Case ID** | **Description** |
| --- | --- |
| VP01 | Leave OTP field empty → show “OTP is required” |
| VP02 | Enter less than required digits (e.g., < 6) → show “Invalid OTP” |
| VP03 | Enter more than 6 digits → not allowed or auto-trim |
| VP04 | Enter alphabets/symbols → error (only digits allowed) |
| VP05 | Paste OTP from clipboard → should work |
| VP06 | Enter valid OTP → proceed to next page |
| VP07 | Enter expired OTP → show “OTP expired” message |
| VP08 | Allow only numeric input via keyboard |

**🔹 2. “Didn’t receive code?” Text & Resend OTP Link**

| **Test Case ID** | **Description** |
| --- | --- |
| VP09 | “Didn’t receive code?” text visible clearly |
| VP10 | Resend OTP link/button is visible & clickable |
| VP11 | Clicking Resend triggers OTP again |
| VP12 | Resend works only after some cooldown (e.g., 30 sec) |
| VP13 | Show timer for resend (e.g., “Resend in 30s”) — optional |
| VP14 | Disable Resend OTP temporarily to prevent spam clicks |
| VP15 | Resend OTP success → show “OTP sent” toast/message |
| VP16 | Resend OTP failure (e.g., network error) → show proper message |

**🔹 3. Verify/Submit OTP Button**

| **Test Case ID** | **Description** |
| --- | --- |
| VP17 | Disabled if OTP field is empty |
| VP18 | Enabled when OTP is filled completely (6 digits) |
| VP19 | Clicking with correct OTP → successful verification/redirect |
| VP20 | Clicking with wrong OTP → show “Invalid OTP” |
| VP21 | Double click does not trigger multiple submissions |
| VP22 | While verifying, show loader or disable button |

**🔹 4. "Remember your password? Login here" Link**

| **Test Case ID** | **Description** |
| --- | --- |
| VP23 | Link text is visible and clear |
| VP24 | Clicking the link takes user back to login page |
| VP25 | Opens in same tab or as per expected behavior |

**🔹 5. UI/UX & Accessibility Testing**

| **Test Case ID** | **Description** |
| --- | --- |
| VP26 | Placeholder (if any) for OTP field visible |
| VP27 | Mobile responsive layout |
| VP28 | Tab key navigation works through all fields/links |
| VP29 | Proper alignment of OTP input, buttons, and links |
| VP30 | Keyboard entry + “Enter key” submits OTP |
| VP31 | Toasts/alerts/messages are accessible via screen reader (optional) |

**🔹 6. Security & Edge Case Testing**

| **Test Case ID** | **Description** |
| --- | --- |
| VP32 | OTP not visible in console logs or URL |
| VP33 | OTP expires after timeout (e.g., 5 mins) |
| VP34 | After 3-5 failed attempts → lock account or show warning |
| VP35 | Network failure during verify → show proper error |
| VP36 | Page refresh doesn't break flow (OTP session should persist or redirect) |

**✅ Complete Test Case List for Reset Password Page**

**🔹 1. New Password Field**

| **Test Case ID** | **Description** |
| --- | --- |
| RP01 | Leave new password empty → show "Password is required" |
| RP02 | Enter less than 6 characters → show “Password too short” |
| RP03 | Enter weak password → (optional) show strength indicator |
| RP04 | Enter strong password (mix of upper/lower/symbols) → accept |
| RP05 | Enter only spaces → error |
| RP06 | Copy-paste password → allowed |
| RP07 | Show/hide password toggle works (if available) |

**🔹 2. Confirm Password Field**

| **Test Case ID** | **Description** |
| --- | --- |
| RP08 | Leave confirm password empty → show “Confirm password required” |
| RP09 | Mismatch with new password → show “Passwords do not match” |
| RP10 | Match with new password → pass validation |
| RP11 | Case-sensitive match check (e.g., Pass123 ≠ pass123) |
| RP12 | Paste password → should work correctly |

**🔹 3. Reset Password Button Behavior**

| **Test Case ID** | **Description** |
| --- | --- |
| RP13 | Button disabled when fields are empty |
| RP14 | Enabled only when both fields are filled and valid |
| RP15 | Passwords don’t match → clicking shows error, no submission |
| RP16 | Valid input → reset successful → show success message or redirect |
| RP17 | Show error if server fails (e.g., token expired) |
| RP18 | Loading state or disable button after click (prevent double submission) |

**🔹 4. Password Rules (If defined)**

| **Test Case ID** | **Description** |
| --- | --- |
| RP19 | Check for minimum length (e.g., 6/8 characters) |
| RP20 | Check for mix of characters (capital, number, special symbol) |
| RP21 | Same password as old (optional) → should not be allowed |

**🔹 5. UI/UX Test Cases**

| **Test Case ID** | **Description** |
| --- | --- |
| RP22 | Placeholder text visible in both fields |
| RP23 | Proper alignment and spacing of elements |
| RP24 | Tab key moves focus correctly (accessibility) |
| RP25 | On “Enter” key → form submits (if valid) |
| RP26 | Mobile responsiveness layout works correctly |
| RP27 | Clear message on success (e.g., “Password successfully reset”) |
| RP28 | Password fields masked by default (type="password") |

**🔹 6. Security Test Cases**

| **Test Case ID** | **Description** |
| --- | --- |
| RP29 | Passwords not visible in inspect tools (HTML input type = password) |
| RP30 | Password not stored or exposed in frontend JS logs |
| RP31 | Token/session used for reset is valid and not expired |
| RP32 | After password reset → user is redirected to login page or auto-login |
| RP33 | Password reset API does not accept malformed/expired tokens |
| RP34 | Try to use expired link → show "Link expired" or redirect to forgot password page |

**✅ Full Test Case List for Profile Page**

**🔹 1. Default Address Field (with Edit)**

| **Test Case ID** | **Description** |
| --- | --- |
| PP01 | Default address displays correct current address |
| PP02 | Click “Edit” → address field becomes editable |
| PP03 | Edit address → click “Save” → updates successfully |
| PP04 | Edit and cancel → discard changes |
| PP05 | Enter invalid characters in address → error message |
| PP06 | Leave address blank and save → show validation |
| PP07 | Long address (>250 chars) → show warning or handle scroll |
| PP08 | Address persists after refresh (saved in DB or local storage) |

**🔹 2. Add Secondary Address**

| **Test Case ID** | **Description** |
| --- | --- |
| PP09 | Click on “Add Secondary Address” → opens new address form |
| PP10 | Add valid address → show under secondary address section |
| PP11 | Add blank/invalid address → show validation |
| PP12 | Multiple secondary addresses allowed (or limit applied?) |
| PP13 | Delete/edit secondary address works properly |

**🔹 3. Notifications Toggle**

| **Test Case ID** | **Description** |
| --- | --- |
| PP14 | Toggle is visible and in correct state (ON/OFF) |
| PP15 | Default state matches user preferences |
| PP16 | Toggle ON → system saves preference (API/local storage) |
| PP17 | Toggle OFF → disables notifications |
| PP18 | Refresh page → toggle retains previous state |

**🔹 4. Dark Mode Toggle**

| **Test Case ID** | **Description** |
| --- | --- |
| PP19 | Toggle visible and working |
| PP20 | On enabling → background, text, UI switches to dark theme |
| PP21 | On disabling → switches back to light mode |
| PP22 | Theme persists after refresh |
| PP23 | Theme persists after logout/login (optional) |
| PP24 | Accessibility check: contrast, readability in dark mode |

**🔹 5. Help & Support Link**

| **Test Case ID** | **Description** |
| --- | --- |
| PP25 | Link visible with proper label |
| PP26 | Clicking redirects to support/help center page |
| PP27 | Opens in same tab or as expected (check target) |
| PP28 | Help page loads properly and has contact info/form |

**🔹 6. Logout Button**

| **Test Case ID** | **Description** |
| --- | --- |
| PP29 | Logout button visible and accessible |
| PP30 | Click logout → session ends and redirect to login page |
| PP31 | User cannot go back to profile via back button after logout |
| PP32 | Session/cookies cleared properly on logout |
| PP33 | Logout fails (e.g. network error) → show message (optional) |

**🔹 7. Delete My Account Option**

| **Test Case ID** | **Description** |
| --- | --- |
| PP34 | Delete option visible and clearly marked |
| PP35 | Click opens confirmation dialog: “Are you sure?” |
| PP36 | Clicking cancel → no action |
| PP37 | Clicking confirm → account deletion process begins |
| PP38 | Post-deletion → user logged out and account deactivated |
| PP39 | Deletion request fails (API down) → show error |
| PP40 | Deleted account cannot be logged into again |
| PP41 | Ask for password re-authentication before deletion (optional but secure) |

**🔹 8. UI/UX Test Cases (General)**

| **Test Case ID** | **Description** |
| --- | --- |
| PP42 | Proper alignment of all fields and buttons |
| PP43 | Tab key navigation works (keyboard support) |
| PP44 | Profile page is responsive (mobile/tablet/desktop) |
| PP45 | All elements have proper labels, icons |
| PP46 | Placeholder texts are shown where required |
| PP47 | Appropriate error/success messages appear in all actions |

**🔹 9. Security Test Cases**

| **Test Case ID** | **Description** |
| --- | --- |
| PP48 | Only logged-in users can access profile page |
| PP49 | Cross-site scripting (XSS) blocked in address fields |
| PP50 | Sensitive data not exposed in frontend (e.g., auth token) |
| PP51 | API calls are authorized properly |
| PP52 | CSRF protection on sensitive actions like Delete |

Bus Driver -App cases

**✅ Test Cases for Each Field**

**1. Date of Birth (DOB) Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_DOB\_01 | Valid DOB format | 01/01/1990 | Accepted |
| TC\_DOB\_02 | Future date | 12/12/2030 | Error: DOB cannot be in the future |
| TC\_DOB\_03 | Invalid format | 1990-01-01 | Error: Invalid format |
| TC\_DOB\_04 | Empty field | *blank* | Error: Required field |
| TC\_DOB\_05 | Minimum age check (e.g., 18+) | 01/01/2010 | Error: Must be at least 18 years old |

**2. Gender Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_GEN\_01 | Select Male | Male | Accepted |
| TC\_GEN\_02 | Select Female | Female | Accepted |
| TC\_GEN\_03 | Select Other | Other | Accepted |
| TC\_GEN\_04 | Not selected | *blank* | Error: Required field |

**3. Social Security Number (SSN) Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_SSN\_01 | Valid SSN | 123-45-6789 | Accepted |
| TC\_SSN\_02 | Invalid format | 123456789 | Error: Invalid SSN format |
| TC\_SSN\_03 | Alphabets in SSN | ABC-DE-FGHI | Error: Only numbers allowed |
| TC\_SSN\_04 | Empty SSN | *Blank* | Error: Required field |
| **Manual SSN Validation Test Cases**   | **#** | **Test Case Description** | **Input Example** | **Expected Result** | | --- | --- | --- | --- | | 1 | Valid SSN | 123-45-6789 | Pass | | 2 | Valid SSN without hyphens | 123456789 | Pass | | 3 | Short SSN (less than 9 digits) | 123-45-678 | Fail | | 4 | Long SSN (more than 9 digits) | 123-45-67890 | Fail | | 5 | All zeros in first block | 000-12-3456 | Fail | | 6 | All zeros in second block | 123-00-4567 | Fail | | 7 | All zeros in third block | 123-45-0000 | Fail | | 8 | Reserved invalid first block (666) | 666-12-3456 | Fail | | 9 | Reserved invalid first block (900–999) | 900-12-3456 | Fail | | 10 | Contains letters | 123-AB-6789 | Fail | | 11 | Contains special characters | 123-45-67#9 | Fail | | 12 | Leading spaces | " 123-45-6789" | Trim or Fail | | 13 | Trailing spaces | "123-45-6789 " | Trim or Fail | | 14 | Empty input | "" | Fail | | 15 | Duplicate SSN | 123-45-6789 | Fail if already exists | | 16 | Null input | null | Fail | | 17 | Common example number (documentation) | 123-45-6789 | Fail | | 18 | SQL injection attempt | 123-45-6789'; DROP TABLE SSN; -- | Fail / Reject | | 19 | XSS attempt | <script>alert(1)</script> | Fail / Reject | | 20 | Leading zeros in non-zero blocks | 001-02-0003 | Pass if valid format |   💡 **Tips for Using These Test Cases Manually**   * Use a **spreadsheet** with columns: Input, Expected Result, Actual Result, Pass/Fail, Comments. * Test **both UI input forms and backend validation** if possible. * Maintain **edge case tests separately**, like SQL/XSS and reserved numbers |  |  |  |

**4. Home Address Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_ADDR\_01 | Valid Address | 123 Main St, NY 10001 | Accepted |
| TC\_ADDR\_02 | Only spaces |  | Error: Invalid address |
| TC\_ADDR\_03 | Empty | *blank* | Error: Required field |
| TC\_ADDR\_04 | Special characters only | @@@### | Error: Invalid address |

**5. Emergency Contact Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_EC\_01 | Valid name and phone | John Doe - 1234567890 | Accepted |
| TC\_EC\_02 | Missing phone number | John Doe | Error: Phone number required |
| TC\_EC\_03 | Invalid phone format | John Doe - abcde12345 | Error: Invalid phone number |
| TC\_EC\_04 | Empty field | *blank* | Error: Required field |

**6. Next Button**

| **TC ID** | **Description** | **Preconditions** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_NEXT\_01 | Click Next with all valid inputs | All fields filled correctly | Goes to next page |
| TC\_NEXT\_02 | Click Next with missing DOB | DOB empty | Shows DOB validation error |
| TC\_NEXT\_03 | Click Next with missing SSN | SSN empty | Shows SSN validation error |
| TC\_NEXT\_04 | Click Next with invalid emergency contact | Invalid phone | Shows error, does not proceed |
| TC\_NEXT\_05 | Click Next with all fields empty | All blank | Show all validation messages, no redirection |

**Account Information Page** ke liye banaye gaye hain, jisme aapne following fields mention kiye hain:

1. Full Name
2. Email Address
3. Mobile Number
4. Create Password
5. Confirm Password
6. Next Button

**✅ Test Cases for Each Field**

**1. Full Name Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_FN\_01 | Valid full name | Rahul Sharma | Accepted |
| TC\_FN\_02 | Name with numbers | Rahul123 | Error: Numbers not allowed |
| TC\_FN\_03 | Only spaces |  | Error: Invalid name |
| TC\_FN\_04 | Special characters | @@## | Error: Invalid name |
| TC\_FN\_05 | Empty field | *blank* | Error: Required field |

**2. Email Address Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_EMAIL\_01 | Valid email | test@example.com | Accepted |
| TC\_EMAIL\_02 | Missing domain | test@ | Error: Invalid email |
| TC\_EMAIL\_03 | Missing @ symbol | testexample.com | Error: Invalid email |
| TC\_EMAIL\_04 | Invalid characters | test@!mail.com | Error: Invalid email |
| TC\_EMAIL\_05 | Empty field | *blank* | Error: Required field |

**3. Mobile Number Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_MOB\_01 | Valid number (10 digits) | 9876543210 | Accepted |
| TC\_MOB\_02 | Less than 10 digits | 12345 | Error: Incomplete number |
| TC\_MOB\_03 | More than 10 digits | 123456789012 | Error: Too long |
| TC\_MOB\_04 | Alphabets in number | abc1234567 | Error: Only digits allowed |
| TC\_MOB\_05 | Empty field | *blank* | Error: Required field |

**4. Create Password Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_PASS\_01 | Valid password (with complexity) | Test@1234 | Accepted |
| TC\_PASS\_02 | Only alphabets | password | Error: Weak password |
| TC\_PASS\_03 | Less than 8 characters | Test1 | Error: Too short |
| TC\_PASS\_04 | No special characters | Test1234 | Error: Add special character |
| TC\_PASS\_05 | Empty field | *blank* | Error: Required field |

**5. Confirm Password Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_CPASS\_01 | Matching password | Same as create password | Accepted |
| TC\_CPASS\_02 | Does not match | Test@12345 vs Test@1234 | Error: Passwords do not match |
| TC\_CPASS\_03 | Empty field | *blank* | Error: Required field |

**6. Next Button**

| **TC ID** | **Description** | **Preconditions** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_NEXT\_01 | All fields valid | All inputs correct | Proceed to next page |
| TC\_NEXT\_02 | Full name missing | Blank full name | Show validation error |
| TC\_NEXT\_03 | Invalid email | test@ | Show email error, stay on page |
| TC\_NEXT\_04 | Mobile number invalid | abc123 | Show error, do not proceed |
| TC\_NEXT\_05 | Passwords don’t match | Create and Confirm Password different | Show mismatch error |
| TC\_NEXT\_06 | All fields blank | *blank* | Show all field errors |

**✅ Test Cases for Driver Credential Page**

**1. Driver License Number Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_DL\_01 | Valid license number | MH12 2023456789 | Accepted |
| TC\_DL\_02 | License number with special chars | MH12@#4567 | Error: Invalid characters |
| TC\_DL\_03 | License number too short | MH123 | Error: Invalid license number |
| TC\_DL\_04 | License number with only digits | 1234567890 | Accepted (depends on format) |
| TC\_DL\_05 | Empty field | *blank* | Error: Required field |

**2. License Expiry Date Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_EXP\_01 | Valid future date | 12/12/2030 | Accepted |
| TC\_EXP\_02 | Expired license date | 01/01/2020 | Error: License expired |
| TC\_EXP\_03 | Invalid date format | 2030-12-12 | Error: Invalid format |
| TC\_EXP\_04 | Non-date input | abcde | Error: Invalid date |
| TC\_EXP\_05 | Empty field | *blank* | Error: Required field |

**3. License Date of Issue Field**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_DOI\_01 | Valid past date | 01/01/2015 | Accepted |
| TC\_DOI\_02 | Future date | 01/01/2030 | Error: Date of issue cannot be in future |
| TC\_DOI\_03 | Invalid format | 2015-01-01 | Error: Invalid format |
| TC\_DOI\_04 | Same as expiry date | Same as expiry date | Accepted (logical, but may need business rule) |
| TC\_DOI\_05 | Empty field | *blank* | Error: Required field |

**Cross-field Validation Test Cases**

| **TC ID** | **Description** | **Input** | **Expected Result** |
| --- | --- | --- | --- |
| TC\_XF\_01 | Expiry date before issue date | Issue: 2022, Expiry: 2020 | Error: Expiry must be after issue date |
| TC\_XF\_02 | Same issue and expiry date | Both 01/01/2025 | Warn or error based on rule |
| TC\_XF\_03 | Future issue date & valid expiry | Issue: 2030, Expiry: 2040 | Error: Issue date cannot be in future |

**Overall Page Submission**

| **TC ID** | | **Description** | | **Conditions** | | **Expected Result** | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TC\_SUBMIT\_01 | | All fields valid | | All inputs correct | | Proceed to next step | |
| TC\_SUBMIT\_02 | | License number missing | | Others filled | | Show error for license number | |
| TC\_SUBMIT\_03 | | Invalid expiry format | | 12-12-2030 | | Show format error | |
| TC\_SUBMIT\_04 | | All fields blank | | *blank* | | Show all validation errors | |
| **✅ Test Cases for Document Upload Page**  **1. Driving License – Front Side**   | **TC ID** | **Description** | **Input** | **Expected Result** | | --- | --- | --- | --- | | TC\_DL\_F\_01 | Upload valid image file (JPG/PNG) | dl\_front.jpg | Accepted | | TC\_DL\_F\_02 | Upload PDF file | dl\_front.pdf | Error: Invalid format (only image allowed) | | TC\_DL\_F\_03 | Upload large image (e.g. >5MB) | 6 MB image | Error: File size too large | | TC\_DL\_F\_04 | Upload corrupted file | Invalid image file | Error: File not readable | | TC\_DL\_F\_05 | Upload field empty | *blank* | Error: Required document |   **2. Driving License – Back Side**   | **TC ID** | **Description** | **Input** | **Expected Result** | | --- | --- | --- | --- | | TC\_DL\_B\_01 | Upload valid image | dl\_back.png | Accepted | | TC\_DL\_B\_02 | Upload text file | dl\_back.txt | Error: Invalid format | | TC\_DL\_B\_03 | Upload image with unusual dimensions | Very small/blurry | Warning or rejection based on rules | | TC\_DL\_B\_04 | Empty upload | *blank* | Error: Required document |   **3. SSN Document Upload (Box Label: "SSN Num")**   | **TC ID** | **Description** | **Input** | **Expected Result** | | --- | --- | --- | --- | | TC\_SSN\_01 | Upload valid PDF or image | ssn\_card.pdf or ssn\_card.jpg | Accepted | | TC\_SSN\_02 | Upload unrelated document | e.g. PAN card | Error: Invalid document type | | TC\_SSN\_03 | Upload with partially visible SSN | Blurred SSN | Error: SSN not readable | | TC\_SSN\_04 | File name with special characters | ssn@file.pdf | Accepted (depends on system rules) | | TC\_SSN\_05 | Empty upload | *blank* | Error: Required document |   **4. Address Proof Document Upload (Box Label: "Address")**   | **TC ID** | **Description** | **Input** | **Expected Result** | | --- | --- | --- | --- | | TC\_ADDR\_01 | Upload valid document (e.g., utility bill, lease) | electric\_bill.jpg | Accepted | | TC\_ADDR\_02 | Upload old/expired document | Bill from 3 years ago | Warning/Error based on rule | | TC\_ADDR\_03 | Upload non-address document | e.g. passport photo | Error: Invalid document | | TC\_ADDR\_04 | Upload file with no visible address | Blurred image | Error: Address not readable | | TC\_ADDR\_05 | Empty upload | *blank* | Error: Required document |   **5. Common Test Cases (All Uploads)**   | **TC ID** | **Description** | **Condition** | **Expected Result** | | --- | --- | --- | --- | | TC\_ALL\_01 | Upload all valid documents | All correct formats & sizes | Proceed to next page | | TC\_ALL\_02 | One required file missing | Any document missing | Show specific error message | | TC\_ALL\_03 | Wrong format for all files | Upload DOCX files | All rejected with format error | | TC\_ALL\_04 | Uploads with max file size limit (e.g., 5MB) | 4.9MB each | All accepted | | TC\_ALL\_05 | Uploads exceed total limit (e.g., 20MB total) | Total = 25MB | Show total file size error |   **✅ Notes:**   * Allowed formats: .jpg, .png, .pdf (check business rules) * Max individual file size: Usually 5MB (verify requirement) * All documents should be **clear and readable**   **App is a global and is number field validation .**  **✅ Phone Number Validation Best Practices**  **1. Use International Format (E.164 standard)**   * E.164 is the international phone number format. * It looks like: +<country\_code><number> Example:   + USA: +14155552671   + India: +919876543210   👉 This avoids confusion about local formats.  **2. Validation Conditions**  Here are the main rules you can apply:   * **Must start with a "+" sign** (for international code). * **Country code** should be valid (1–3 digits). * **Remaining digits** should only contain numbers (no spaces, dashes, or letters). * **Length check**: E.164 numbers can have a maximum of **15 digits** (including country code). * **No leading zeros after the country code** (e.g., +9109876… ❌ should be +919876… ✅).   **3. Examples of Valid Numbers**   * ✅ +14155552671 (US) * ✅ +447911123456 (UK) * ✅ +919876543210 (India)   **4. User Experience Tips**   * Add a **country code selector dropdown** 🌍 (like WhatsApp does). * Auto-format the number based on selected country (e.g., (123) 456-7890 in the US). * Use a **library** to handle validation (instead of writing regex yourself).   👉 Recommended libraries:   * [**Google’s libphonenumber**](https://github.com/google/libphonenumber) (available for Android, iOS, JavaScript, etc.). * It automatically validates and formats numbers for all countries.   **5. Extra Checks**  Depending on your app use case:   * **Optional OTP verification** (best for security). * **Block premium-rate numbers** if you don’t want users entering special/paid lines. * **Allow only mobile numbers** (not landlines), if your app requires SMS/WhatsApp verification.   ⚡ So in short:   * Store numbers in **E.164 format**. * Validate with **libphonenumber** or regex. * Provide a **country picker** for easier entry.   \*\*\*account create hone par mujhe upr ki side har jgh message show hona chahiye jis se ui or aachse se dekhe mujhe or client ko toh har jgh dekhna ki upr message proper show ho rha hai ki nhi line login hone se le reset password tk dekhna hoga ..\*\*\*\*  Ab kuch new test cases \*\*\* Passenger k liye \*\*\* ----- start krte hai yha se ----  \*\*\*\*\*\*\*\*\*\*\* yeh ETA wali screen hai or uske test scenario hai \*\*\*\*\*\*\*\*\*\*\*  **🔹 1. Functional Test Cases**   1. **ETA (Estimated Time of Arrival) Display**    * Correct ETA is calculated and updated in real-time.    * ETA auto-refresh hona chahiye bina manual refresh ke.    * ETA future time ho (past time na dikhaye). 2. **Driver Nearby Message**    * Correct status messages dikh rahi ho (e.g., “Driver is nearby”, “Driver arriving”, “Driver reached”).    * Jab driver aata hai toh status update hota hai. 3. **PIN Verification**    * PIN field sirf 4 digits accept kare.    * Invalid PIN pe error dikhna chahiye.    * PIN field blank nahi rahe allow hone pe.    * Copy-paste PIN allowed hai ya nahi check kare. 4. **Bus/Vehicle Information**    * Correct bus number show ho.    * Bus details clickable ho aur details page open kare.    * Agar bus number available nahi hai toh fallback message aaye. 5. **Journ**     * Timing sahi dikh rahi ho.    * Agar driver delay hai toh updated arrival time show ho. 6. **Driver Info**    * Driver ka naam (e.g., Jhon Smith) sahi dikhna chahiye.    * Call button click karne se call initiate ho.    * Agar call option disable hai toh disabled state dikhaye.   **🔹 2. UI/UX Test Cases**   1. Font, spacing, colors properly aligned hai. 2. ETA bold aur readable hai. 3. Error messages clear and user-friendly ho. 4. Screen auto-refresh ke baad UI freeze na kare. 5. Accessibility check:    * Screen reader support.    * Proper contrast ratio.   **🔹 3. Negative Test Cases**   1. Internet disconnect hone par message show ho (“No internet”). 2. Location off hone par error dikhna chahiye. 3. Agar driver cancel karta hai toh correct cancellation message show ho. 4. Wrong PIN enter karne par access na mile. 5. Agar server se ETA nahi aata toh fallback message ho (“ETA not available”).   **🔹 4. Security Test Cases**   1. PIN encryption check kare. 2. Unauthorized access se driver ya user ka data leak na ho. 3. API calls secure hone chahiye (HTTPS). 4. Session timeout ke baad re-login require ho.   **🔹 5. Performance Test Cases**   1. ETA aur driver status update fast (within 2-3 sec) hona chahiye. 2. Multiple users ek hi time track kare toh bhi app crash na kare. 3. Low battery mode pe bhi screen smoothly chale. 4. App heavy network load pe bhi response time acceptable ho.   **🔹 6. Compatibility Test Cases**   1. Different screen sizes (small, medium, large mobiles). 2. Android aur iOS dono pe same behavior. 3. Different network conditions (2G/3G/4G/5G, Wi-Fi). 4. Light mode aur dark mode dono mein readable UI.   **🔹 7. Edge Cases**   1. Driver already arrived ho toh ETA = “Arrived” dikhaye. 2. Ride cancel hone ke baad bhi screen pe info na dikhaye. 3. Midnight rides (12:00 AM – 5:00 AM) ke liye correct time format ho. 4. Multiple ongoing rides ho toh correct ride ka data dikhaye.   👉 Ye test cases **end-to-end coverage** dete hain  ######### My trips ######## wali pages ki test cases-----------  **✅ Comprehensive Test Cases for My Trips Screen**  **🔹 1. Functional Test Cases**   1. **Trip Listing**    * “Today” aur “Yesterday” ke trips correct order me show ho.    * Current date ke trips sirf “Today” section me dikhaye.    * Past date ke trips “Yesterday” ya “Past Trips” section me move ho jaye.    * Multiple trips ek hi din ke liye sahi sequence me dikhaye (chronological order). 2. **Trip Details**    * Pickup time correctly show ho (e.g., Morning trip = 8:00 AM).    * Drop-off time correctly show ho.    * Driver ka naam correctly display ho.    * Bus number correct format me ho (e.g., Ud675858).    * AM/PM format consistent ho. 3. **Navigation**    * Trip card pe click karne se detailed trip info open ho.    * Back button press karne par home ya pichhli screen par aaye. 4. **Date Change**    * Midnight ke baad “Today” ke trips automatic “Yesterday” section me shift ho.    * Future trips agar available hain toh “Upcoming Trips” section me dikhaye.   **🔹 2. UI/UX Test Cases**   1. “Today” aur “Yesterday” headings clearly visible ho. 2. Consistent font size aur spacing ho. 3. Trip cards align properly ho (overflow text na ho). 4. AM/PM format properly capitalized ho. 5. UI dark mode me properly visible ho.   **🔹 3. Negative Test Cases**   1. Agar trips available na ho toh fallback message show ho (“No trips found”). 2. Server se incomplete data aaye toh “N/A” show ho instead of blank. 3. Agar bus number missing ho toh “Bus number not available” show ho. 4. Driver name null ho toh default placeholder ho (“Driver Info Pending”).   **🔹 4. Security Test Cases**   1. User A ke trips User B na dekh paaye (data privacy). 2. API response encrypted ho. 3. Unauthorized access attempt par error aaye.   **🔹 5. Performance Test Cases**   1. Trip list fast load ho (within 2-3 sec). 2. Agar trips zyada ho toh scrolling smooth ho. 3. Offline mode me “Last synced trips” show ho.   **🔹 6. Compatibility Test Cases**   1. Different screen sizes pe layout break na ho. 2. Android aur iOS dono pe same display ho. 3. Landscape orientation me bhi proper alignment ho.   **🔹 7. Edge Cases**   1. Same driver multiple trips kare toh correct driver name hi dikhaye. 2. Pickup aur drop-off time same ho toh “Duration: 0 min” ya correct message show ho. 3. Future trip ka time agar past ho gaya toh trip “Past Trips” me shift ho. 4. Time zone change hone par pickup/drop-off times properly adjust ho.   ########## support screen ########  **✅ Comprehensive Test Cases for Support Ticket Screen**  **🔹 1. Functional Test Cases**   1. **Search Bar**    * User keyword daale toh relevant support FAQs show ho.    * Empty search par “No results found” show ho.    * Case-insensitive search (capital/small letters ka same result). 2. **Category Dropdown**    * All available categories list ho (e.g., Payment Issue, Ride Issue, Technical Issue).    * User ek hi category select kar sake.    * Default value “Select Category” rahe.    * Invalid category select na ho. 3. **Subject Field**    * Text entry allow kare.    * Character limit check ho (e.g., max 100 chars).    * Special characters handle ho without crash. 4. **Description Field**    * Multi-line input allow kare.    * Character limit (e.g., 500 or 1000 chars).    * Enter key se new line add ho.    * Long description scrollable ho. 5. **Bus Number Field**    * Alphanumeric entry allow ho (e.g., UD675858).    * Invalid format par error dikhaye.    * Field optional hai ya required? (Confirm kare). 6. **Submit Button**    * Submit click par form validation ho.    * All mandatory fields fill na hone par error show ho.    * Valid inputs par ticket successfully submit ho aur confirmation message aaye.    * Multiple fast clicks se duplicate tickets na bane.   **🔹 2. UI/UX Test Cases**   1. Fields alignment proper ho (search, category, subject, description, bus number). 2. Placeholder text visible aur descriptive ho. 3. Error messages user-friendly aur red color me ho. 4. Submit button disabled state me ho jab tak required fields fill na ho. 5. Loading indicator show ho jab ticket submit ho raha ho.   **🔹 3. Negative Test Cases**   1. Category select kiye bina submit karna. 2. Subject blank rehne par submit karna. 3. Description empty hone par submit karna. 4. Invalid bus number (e.g., #### ya @!$%) daalna. 5. Very long subject/description enter karna aur system crash na kare.   **🔹 4. Security Test Cases**   1. **SQL Injection/XSS**: Subject ya description me malicious code na chale. 2. **Authentication**: Ticket sirf logged-in user hi raise kar paaye. 3. **Authorization**: User A ka ticket User B na dekh paaye. 4. API calls secure (HTTPS) ho.   **🔹 5. Performance Test Cases**   1. Ticket submission response time < 3 sec ho. 2. Poor network me retry mechanism ho. 3. Heavy load (multiple users at once) par app crash na kare.   **🔹 6. Compatibility Test Cases**   1. Different screen sizes pe alignment sahi ho. 2. Android aur iOS dono pe uniform behavior. 3. Landscape mode me bhi form readable rahe. 4. Dark mode me fields aur text visible ho.   **🔹 7. Edge Cases**   1. Network off hone par “No internet” error dikhaye. 2. Server down hone par fallback message (“Unable to submit ticket now”). 3. Agar bus number optional hai toh blank hone par bhi submit ho. 4. Midnight submission (12:00 AM ke baad) correct timestamp ke saath record ho. 5. Same user multiple tickets raise kare toh unique ticket ID generate ho.   \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Help and support screen \*\*\*\*\*\*\*\*\*\*\*  **✅ Comprehensive Test Cases for Help & Support Screen**  **🔹 1. Functional Test Cases**   1. **Contact Options**    * “Call Us” button par click karne se dialer khulna chahiye with correct support number.    * “Email Us” par click karne se default email app open ho with pre-filled support email ID.    * “Chat with Us” par click karne se in-app/live chat start ho.    * Agar respective apps (email/dialer) installed na ho toh proper error message aaye. 2. **FAQ Section**    * FAQ list properly load ho.    * FAQ accordion (dropdown) expand/collapse sahi kaam kare.    * Multiple FAQs ek sath expand ho sakte hain ya ek baar me ek hi expand ho – dono behavior test karo.    * FAQ content sahi aur complete dikhna chahiye. 3. **Navigation**    * Back button click karne se correct pichhli screen pe le jaye.   **🔹 2. UI/UX Test Cases**   1. Buttons (“Call Us”, “Email Us”, “Chat with Us”) visually distinct aur clickable ho. 2. Colors aur icons properly aligned ho. 3. FAQ list properly spaced ho (no overlapping). 4. Duplicate FAQs na ho (screenshot me ek hi question 3 baar repeat ho raha hai → ye defect hai). 5. Accessibility check:    * Screen reader FAQs aur buttons ko read kare.    * Proper contrast ratio maintain ho.   **🔹 3. Negative Test Cases**   1. Call button click karo aur agar device me SIM na ho toh error message aaye. 2. Email button click karo aur agar email app configured na ho toh fallback message aaye. 3. Chat service unavailable ho toh proper error dikhaye. 4. FAQ list empty ho toh fallback message aaye (“No FAQs available”).   **🔹 4. Security Test Cases**   1. Chat system secure ho (no data leak). 2. Email pre-filled fields me malicious links inject na ho. 3. Call ke dauraan app sensitive info na share kare.   **🔹 5. Performance Test Cases**   1. FAQ list load hone ka time < 2 sec ho. 2. Chat start hone ka response time fast ho. 3. Multiple FAQs expand karne se UI freeze na ho.   **🔹 6. Compatibility Test Cases**   1. Different screen sizes par FAQ aur buttons properly show ho. 2. Android aur iOS dono par same functionality. 3. Landscape mode me layout break na ho. 4. Light aur Dark mode dono me readability maintained ho.   **🔹 7. Edge Cases**   1. Network off hone par – call/email/chat buttons properly handle kare (call offline chalega but email/chat nahi). 2. Support email ID ya phone number agar backend se missing ho toh “Not available” message aaye. 3. Agar FAQs bohot zyada hain toh scroll bar enable ho. 4. Midnight time pe bhi support contact buttons active ho (agar 24x7 support hai)   \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Transaction screen \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  **✅ Comprehensive Test Cases for My Transactions Screen**  **🔹 1. Functional Test Cases**   1. **Transaction Listing**    * Transactions date-wise sorted (latest → oldest).    * Correct **plan type** (Weekly, Monthly, Bi-weekly) display ho.    * Correct **amount** show ho (currency symbol + value).    * Duplicate transaction entries na aaye (screenshot me April-7 duplicate dikh raha → bug). 2. **Transaction Filter (top-right icon)**    * Filter button responsive ho.    * Filter by **date range, amount, plan type**.    * Reset filter option kaam kare. 3. **Navigation**    * Back button click karne par correct pichhli screen pe le jaye.    * Transaction card click karne par **transaction detail page** khule (invoice, payment method, transaction ID). 4. **Data Accuracy**    * Amount backend ke data se match ho.    * Dates correct timezone ke hisaab se ho.    * Cancelled/refunded transactions properly marked ho.   **🔹 2. UI/UX Test Cases**   1. Transaction cards properly aligned ho (no overlap, no cut text). 2. Consistent currency format ho (e.g., $100.00, not $100). 3. Plan names readable aur capitalized ho. 4. Transaction list scroll smooth ho. 5. No blank space if no data. Instead, show → “No Transactions Found”.   **🔹 3. Negative Test Cases**   1. Agar server se transaction data nahi aata → Show fallback “Unable to load transactions”. 2. Filter apply karne par agar result empty hai → Show “No records found”. 3. Invalid response (e.g., negative amount, null date) → App crash na ho. 4. Poor network → Partial load pe error state dikhe.   **🔹 4. Security Test Cases**   1. Transactions **user-specific** ho (User A ka transaction User B ko na dikhe). 2. API secure (HTTPS) ho. 3. No sensitive data leakage (Card numbers / CVV masked). 4. Session expiry ke baad transaction list access na ho.   **🔹 5. Performance Test Cases**   1. Transaction list load time < 3 seconds ho. 2. Large transaction history (1000+ records) par bhi scroll aur filter smooth ho. 3. Low battery/low RAM condition me app crash na kare.   **🔹 6. Compatibility Test Cases**   1. Different screen sizes pe alignment proper ho. 2. Android aur iOS dono pe same behavior ho. 3. Dark mode me bhi text aur amounts visible ho. 4. Landscape orientation me layout na toote.   **🔹 7. Edge Cases**   1. Agar user ka **no transaction history** hai → Show “No transactions found”. 2. Same date pe multiple transactions ho toh correct order maintain ho. 3. Multiple currencies support ho (USD, INR, EUR, etc.). 4. Failed transactions properly marked (e.g., “Failed” in red). 5. Partial refund case me correct adjusted amount show ho.   Pathyk app test cases  Auth screen –  Phone number – valid number 1-10 (success full login)  Invalid number 1-11 ( shown error )  Enter same number 1-10 ( shown error )  Enter special key word -!@# ( don’t enter )  Enter blank box –shown error | |  | |  | |  | |