Manual UI Testing Plan

Application: Time Management Login Portal
Browser: Chrome/Firefox/Safari
Test Date: _____
Tester: _____

Test Environment Setup

Before Starting:

1. ✓ Backend server running on `http://localhost:3001`
2. ✓ Frontend server running on `http://localhost:3000`
3. ✓ Database running (Docker container started)
4. ✓ Browser console open (F12)

TEST 1: Login Page Display

Objective: Verify login page renders correctly

Steps:

1. Open browser
2. Navigate to `http://localhost:3000`
3. Should redirect to `/login`

Expected Results:

- [ ] Login form is visible and centered
- [ ] "Login" header is displayed
- [ ] Blue underline under "Login" header
- [ ] Username input field visible with user icon
- [ ] Password input field visible with lock icon
- [ ] "Login" button is visible and styled (blue)
- [ ] No error messages visible initially

Visual Check:

- [ ] Page layout is centered on screen
- [ ] All elements properly aligned
- [ ] Icons display correctly
- [ ] Colors match design (blue and black)
- [ ] Text is readable (not too small/large)

    Status: ☐ Pass / ☐ Fail

TEST 2: Successful Login Flow

Objective: Verify user can login with valid credentials

Steps:

1. Enter username: `valid username`
2. Enter password: `valid password`
3. Click "Login" button

Expected Results:

- [ ] Success message appears (green background)
- [ ] Message reads: "Login erfolgreich!"
- [ ] After 1 second, redirect to `/myView` page
- [ ] No error messages appear
- [ ] Password field is cleared (for security)

MyView Page Check:

- [ ] "Willkommen im internen Bereich!" header displays
- [ ] "Du bist erfolgreich eingeloggt." text shows
- [ ] Server data box displays content
- [ ] Message contains "Standard-Übersicht für Mitarbeiter"
- [ ] Red "Logout" button visible

- [] Blue "Passwort Änder button visible"

TEST 3: Failed Login - Wrong Password

Objective: Verify error handling for incorrect password

Steps:

1. Refresh page (or click logout if logged in)
2. Enter username: `dummyuser`
3. Enter password: `wrongpassword`
4. Click "Login" button

Expected Results:

- [ ] Error message appears (red background)
- [ ] Message reads: "Login fehlgeschlagen: invalid login"
- [ ] Password field is cleared
- [ ] User remains on login page (no redirect)

- [ ] Username field retains value

TEST 4: Successful Password changing

Objective: Verify that a password can be changed

Steps:

1. Login
2. Click on Blue "Passwort Ändern Button"
3. Get redirected to a new page
4. Enter current password along with new ones
5. Password requirements are met
6. Click Blue button to confirm

Expected Results:

- [ ] Success message appears
- [ ] input fields are cleared
- [ ] User remains on page (no logout or redirect)

TEST 5: Failed Password changing

Objective: Verify that a password changing requirements are met

Steps:

7. Login
8. Click on Blue "Passwort Ändern Button"
9. Get redirected to a new page
10. Enter wrong password along with new ones
11. Password requirements are NOT met
12. Click Blue button to confirm

Expected Results:

- [ ] Error message appears
- [ ] input fields are cleared
- [ ] User remains on page (no logout or redirect)

TEST 6: Form Validation - Empty Fields

Objective: Verify HTML5 form validation

Test 5a: Empty Username

1. Leave username field empty
2. Enter password: `test123`
3. Click "Login" button

Expected:

- [ ] Browser shows "Please fill out this field" for username
- [ ] No API call made (check Network tab)

Test 5b: Empty Password

1. Enter username: `dummyuser`
2. Leave password field empty
3. Click "Login" button

Expected:

[ ] Browser shows "Please fill out this field" for password

TEST 7: Different User Roles

Objective: Verify role-based content display

Test 6a: Employee Role

Steps:

1. Login as: `dummyuser` / `1234567890`
2. Check myView page content

Expected:

- [ ] Message: "Standard-Übersicht für Mitarbeiter"
- [ ] teamData shows: ["I am just a guy"]

Test 6b: HR Role

Steps:

1. Logout
2. Login as: `dummyhr` / `1234567890`
3. Check myView page content

Expected:

- [ ] Message: "Allgemeine Übersicht für HR"
- [ ] teamData shows multiple names

Test 6c: Supervisor Role

Steps:

1. Logout
2. Login as: `dummysv` / `1234567890`
3. Check myView page content

Expected:

- [ ] Message: "Team-Übersicht für Supervisor"
- [ ] teamData shows team members

TEST 8: Logout Functionality

Objective: Verify user can logout properly

Steps:

1. Ensure you're logged in (any user)
2. On MyView page, click red "Logout" button

Expected Results:

- [ ] Redirected to `/login` page
- [ ] Token removed from localStorage (check DevTools → Application → Local Storage)
- [ ] If you try to access `/myView` directly, redirected to login
- [ ] No error messages appear

Expected Results:

- [ ] User remains logged in
- [ ] MyView page reloads successfully
- [ ] Token still in localStorage
- [ ] No redirect to login page

TEST 9: Token Expiration (Long Test)

Objective: Verify expired tokens are handled

Steps:

1. Login as any user
2. Wait 8+ hours (or modify token expiry in code to 1 minute for testing)
3. Try to access MyView page

Expected Results:

- [ ] Redirected to login page
- [ ] Token removed from localStorage
- [ ] No errors shown to user