HubOS_XGA Playwright Test Suite

Credentials & Environment Variables

Sensitive credentials (such as login details) should **never** be committed to git. Store them in a `.env` file in the project root. This file is already included in `.gitignore` and will not be tracked by git.

Overview

This repository contains end-to-end Playwright tests for the HubOS Guest in Touch login functionality. The tests are designed to ensure robust coverage of all login scenarios, including A/B UI variants, edge cases, and error handling.

Test Results and Reports

- **HTML Test Reports:**
  - After running tests with `npx playwright test`, an HTML report is generated in the `playwright-report/` directory.
  - To view the latest report, run:

    ```
    npx playwright show-report
    ```

    This will open the report in your browser, where you can review all test results and details.

All test results and reports are located in the `playwright-report/` directory.

What and Why We Are Testing

- **Login with correct room number and surname**: Verifies successful login for valid credentials.
- **Login with room number without leading zero**: Ensures the system handles room numbers with or without leading zeros.
- **Login with incorrect room number or surname**: Confirms that invalid credentials are rejected and appropriate error messages are shown.
- **Login with empty fields**: Checks that required fields are enforced.
- **Special characters, long input, and whitespace**: Validates input sanitization and error handling for edge cases.
- **A/B Coverage**: Each scenario is tested using both the standard and F&B (Food & Beverage) login forms to ensure UI consistency and functional parity.

```
npx playwright show-report playwright-report\report_2025-12-14_16-53-08
```

Last Test Run Summary

December 19, 2025

- **Date**: December 19, 2025
- **Branch**: main
- **Command**: `npx playwright test`
- **Result**: **304/304 tests passed** on all browsers/devices (0 failed, 0 skipped)
- **Report**: [playwright-report/report_2025-12-19_17-05-37/index.html (playwright-report/report_2025-12-19_17-05-37/index.html)](playwright-report/report_2025-12-19_17-05-37/index.html)

December 15, 2025

- **Date**: December 15, 2025
- **Branch**: main
- **Command**: `npx playwright test`
- **Result**: **304/304 tests passed** on all browsers/devices (0 failed, 0 skipped)
- **Report**: [playwright-report/report_2025-12-15_13-13-29/index.html (playwright-report/report_2025-12-15_13-13-29/index.html)](playwright-report/report_2025-12-15_13-13-29/index.html)

December 14, 2025

- **Date**: December 14, 2025
- **Branch**: main
- **Command**: `npx playwright test`
- **Result**: **304/304 tests passed** on all browsers/devices (0 failed, 0 skipped)
- **Report**: [playwright-report/report_2025-12-14_16-53-08/index.html (playwright-report/report_2025-12-14_16-53-08/index.html)](playwright-report/report_2025-12-14_16-53-08/index.html)

Recent Reports

- [2025-12-15: 304 tests passed (playwright-report/report_2025-12-15_13-13-29/index.html)](playwright-report/report_2025-12-15_13-13-29/index.html)
- [2025-12-14: 304 tests passed (playwright-report/report_2025-12-14_16-53-08/index.html)](playwright-report/report_2025-12-14_16-53-08/index.html)
- [2025-12-14: 304 tests passed (playwright-report/report_2025-12-14_16-37-08/index.html)](playwright-report/report_2025-12-14_16-37-08/index.html)
- [2025-12-14: 256 tests passed (playwright-report/report_2025-12-14_15-37-35/index.html)](playwright-report/report_2025-12-14_15-37-35/index.html)
- [2025-12-13: 224 tests passed (playwright-report/report_2025-12-13_13-31-52/index.html)](playwright-report/report_2025-12-13_13-31-52/index.html)
- [2025-12-12: 216 tests passed (playwright-report/report_2025-12-12_21-40-52/index.html)](playwright-report/report_2025-12-12_21-40-52/index.html)
- [2025-12-19: 304 tests passed (17:05:37) (playwright-report/report_2025-12-19_17-05-37/index.html)](playwright-report/report_2025-12-19_17-05-37/index.html)
- [2025-12-19: 304 tests passed (17:02:46) (playwright-report/report_2025-12-19_17-02-46/index.html)](playwright-report/report_2025-12-19_17-02-46/index.html)
- [2025-12-19: 304 tests passed (15:36:34) (playwright-report/report_2025-12-19_15-36-34/index.html)](playwright-report/report_2025-12-19_15-36-34/index.html)

> **Test count and results:**
>
> - Each suite run executes all scenarios across 8 browsers/devices.
> - The number above reflects the total test cases (e.g., 304 = 38 scenarios × 8 platforms).
> - All tests must pass for a green report. Failures or skips will be shown here.

To view any report, open the corresponding HTML file in the `playwright-report/` directory or use the command above.

Repository Location

- **GitHub**: https://github.com/xaviergonzalezarriolaliza/HubOS_XGA

Getting Started

1. **Clone the repository:**

   ```
   git clone https://github.com/xaviergonzalezarriolaliza/HubOS_XGA.git
   cd HubOS_XGA
   ```

2. **Install dependencies:**

   ```
   npm install
   ```

3. **Run the tests:**

   ```
   npx playwright test
   ```

4. **View the test report:**

   ```
   npx playwright show-report
   ```

   The HTML report will open in your browser. You can also find historical reports in the `playwright-report/` directory.

Security Note

Warning: It is currently possible to log in with either room number `440` or `0440` by entering only part of the guest's name (e.g., just `Will` or `Daf` instead of the full name `Willem Dafoe`). This is not desired behavior and is a proof of a significant security risk and potential data breach, as unauthorized users could gain access with incomplete credentials. Please review and address this vulnerability as a priority.

Notes

- The test suite uses the Page Object Model for maintainability and clarity.
- Assertion comments are included only on the first assertion in each test for readability.
- All tests are designed to be idempotent and cover both positive and negative login scenarios.

For any questions or contributions, please open an issue or pull request on the repository.

Latest Changes (2025-12-21)

- **CI (GitHub Actions)**: Playwright reporter updated to produce the HTML report folder (`playwright-report/`) and upload it as an artifact. CI now uploads both the HTML report and the raw `test-results` artifact for each run.
- **Tests**: Migrated login tests in `tests/login.spec.ts` to use the `LoginPage` Page Object Model (`tests/pages/LoginPage.ts`) and replaced brittle `page.locator('body')` assertions with `LoginPage.assertLoggedIn(...)` helpers to reduce flakiness.
- **Commit:** `2295f8f` pushed to `main` (small follow-up to replace remaining body-level assertions with POM assertions).
- **Verification:** Local smoke runs for the updated tests passed; subsequent CI runs produced HTML reports and uploaded artifacts.

Latest CI HTML Reports (artifacts)

- Run 20413844932 — HTML report artifact: https://github.com/xaviergonzalezarriolaliza/HubOS_XGA/actions/runs/20413844932/artifacts/4937671520
- Run 20413492572 — HTML report artifact: https://github.com/xaviergonzalezarriolaliza/HubOS_XGA/actions/runs/20413492572/artifacts/4937578417

Latest Test Suite Update (2025-12-13)

Summary of Recent Changes

- Ensured every login scenario has both (A) and (B) test variants for full selector coverage.
- Differentiated the final assertion in each A/B pair: (A) tests use `toBeVisible`, (B) tests use `toContainText` or vice versa, for more robust UI validation.
- Added missing (B) test for special characters in surname.
- All tests now consistently use the Page Object Model (POM) for maintainability.

Latest Test Results

- **256 tests passed** on all browsers/devices (2025-12-14)
- No failures or errors detected. Added A/B chat feature tests (see below).

To view the detailed HTML report for this run, open:

playwright-report/report_2025-12-13_13-31-52/index.html

Selector Strategy Variants (A/B Tests)

For each login scenario, there are A and B test variants:

- **A variants** use id-based selectors (e.g., `#guest_room`, `#guest_name`, `#btn_login`).
- **B variants** use class-based selectors (e.g., `.fandb-form-control-login`, `.btn-login`).

This dual approach ensures that both selector strategies are robust and reliable across all supported browsers and devices. It helps catch UI or selector regressions early, and future-proofs the test suite in case the application changes its form layout or selector strategy. Keeping both variants is intentional for maximum coverage and confidence.

Page Object Model (POM) Refactor (2025-12-12)

The test suite has been refactored to use the Page Object Model (POM) design pattern. All login actions and selectors are now encapsulated in a `LoginPage` class (`tests/pages/LoginPage.ts`), and test cases use this page object for interactions. This improves maintainability, readability, and scalability of the test code.

All Playwright login tests passed successfully after this refactor, confirming the new structure is robust and reliable.

Latest POM-based test run:

216 tests passed on all browsers/devices (2025-12-12, 21:40 UTC)

To view the detailed HTML report for this run, open:

playwright-report/report_2025-12-12_21-40-52/index.html

Test Results Table (Compact)

Test Name	Chromium	Firefox	WebKit	Edge	Pixel 5	Galaxy S9+	iPhone 12	iPhone SE
should login with correct room and surname (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should login with correct room and surname (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should login with room number without leading zero (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should login with room number without leading zero (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should not login with incorrect room number (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should not login with incorrect room number (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should not login with incorrect surname (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should not login with incorrect surname (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for empty fields (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for empty fields (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for special characters in room (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for special characters in room (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for special characters in surname (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for special characters in surname (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for very long room number (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for very long room number (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for very long surname (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for very long surname (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for whitespace in room and surname (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error for whitespace in room and surname (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should login and open chat (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should login and open chat (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error when only room is filled (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error when only room is filled (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error when only surname is filled (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should show error when only surname is filled (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should not login with extra trailing zero in room number (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should not login with extra trailing zero in room number (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should not login with double leading zero in room number (A)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
should not login with double leading zero in room number (B)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Results Table (Detailed)

Test #	Test Name	Browser/Device	Status
1	should login with correct room and surname (A)	Chromium	PASS
2	should login with correct room and surname (B)	Chromium	PASS
3	should login with room number without leading zero (A)	Chromium	PASS
4	should login with room number without leading zero (B)	Chromium	PASS
...	...	...	...
29	should login with correct room and surname (A)	Firefox	PASS
...	...	...	...
57	should login with correct room and surname (A)	WebKit	PASS
...	...	...	...
85	should login with correct room and surname (A)	Edge	PASS
...	...	...	...
113	should login with correct room and surname (A)	Pixel 5 (Android)	PASS
...	...	...	...
141	should login with correct room and surname (A)	Galaxy S9+ (Android)	PASS
...	...	...	...
169	should login with correct room and surname (A)	iPhone 12	PASS
...	...	...	...
197	should login with correct room and surname (A)	iPhone SE	PASS
...	...	...	...
224	should not login with double leading zero in room number (B)	iPhone SE	PASS

Each test is run on all 8 browsers/devices, so the test numbers increment by 28 for each browser/device.
The full list of test names is in your test file, and each is repeated for every browser/device.

Test Design & Locator Strategy Compliance (2025-12-12)

- Correct login tests (A and B) use different locator strategies (A: id selectors, B: class selectors).
- Language-independent, robust selectors are used (no getByPlaceholder or language-dependent locators).
- After login, the tests assert the presence of the room number, guest name, and hotel name using specific, reliable selectors.
- The test file is clean, with no obsolete or duplicate locator code.

- All Playwright tests pass successfully.

See the latest successful test run report (playwright-report/report_2025-12-12_18-32-25/index.html) for details.

Regex Notification Assertion Update (2025-12-12)

To ensure robust, language-agnostic detection of reservation error notifications (including Spanish, English, and other European languages), the test assertions for notification messages now use the regex:

```
/no.*res.*:/i
```

This pattern matches any notification containing "no" followed by any characters, then "res" (as in "reserva", "reservation", etc.), and then a colon, regardless of language or extra words. This makes the tests resilient to minor language or phrasing changes in the UI notification.

Edge Case Note (2025-12-12)

Tests now also cover:

- One or more extra trailing zeros in the room number (e.g., '04400', '044000', etc.)
- Double leading zero in the room number (e.g., '00440')

The application correctly rejects these with a user-facing notification, and this is asserted in both A and B test variations. All tests, including these edge cases, passed successfully on 2025-12-12.

Test Run Record

All Playwright tests passed successfully on 2025-12-12 after updating the notification assertion regex for language independence.

Test Results Table

Test #	Browser/Device	Status
1-28	Chromium	PASS
29-56	Firefox	PASS
57-84	WebKit	PASS
85-112	Edge	PASS
113-140	Pixel 5 (Android)	PASS
141-168	Galaxy S9+ (Android)	PASS
169-196	iPhone 12	PASS
197-224	iPhone SE	PASS

To view the detailed HTML report for this run, open:

playwright-report/report_2025-12-12_19-46-54/index.html

Playwright Locator Note

Important: The `getByRole` locator can be unreliable on Apple devices (Safari/WebKit) if elements lack proper accessible roles or labels. For maximum cross-platform stability, prefer using `id`, `name`, or `class` selectors in your Playwright tests.

Guest In Touch QA Tests

Supported Browsers & Devices

Tests are automatically run on the following browsers and devices:

- Chromium (Desktop Chrome)
- Firefox (Desktop Firefox)
- WebKit (Desktop Safari)
- Edge (Microsoft Edge)
- Pixel 5 (Android emulation)
- Galaxy S9+ (Android emulation)
- iPhone 12 (Apple iPhone emulation)
- iPhone SE (Apple iPhone emulation)

Running Tests

To run all Playwright tests:

```
npx playwright test
```

To run tests in headed mode (browser UI visible):

```
npx playwright test --headed
```

Test Reports

HTML reports are saved automatically in the `playwright-report` folder with a date-hour subfolder for each run.

Continuous Integration (CI) with GitHub Actions

This repository uses GitHub Actions (https://github.com/features/actions) to automatically run all Playwright tests on every push to any branch. The workflow is defined in .github/workflows/playwright.yml (.github/workflows/playwright.yml).

What the workflow does:

- Checks out the repository code
- Sets up Node.js 20.x
- Installs dependencies and Playwright browsers
- Runs all Playwright tests
- Uploads the Playwright HTML report as a workflow artifact

You can view the status of recent test runs in the **Actions** tab of the GitHub repository.

Top 5 Significant Screenshots

Below are five representative screenshots from recent runs (paths point into `playwright-report/data/`). Each image shows an important step in the login flow, and the selectors/roles used to identify the element under test.

- **Login form (room & name inputs)** — `playwright-report/data/c5a63091c84b46ac0df67e5b9cd13bd081a278cf.png`
  - Test(s): should login with correct room and surname (A/B)
  - Locators: `#guest_room`, `#guest_name`, `#btn_login` (ids); fallback class: `.fandb-form-control-login`
- **F&B form (alternate layout)** — `playwright-report/data/f71ae65d482fdffd1dc770e298eb252e47724077.png`
  - Test(s): should login with correct room and surname (B)
  - Locators: `.fandb-form-control-login`, `.btn-login`, role: `button`
- **Validation notification (empty fields)** — `playwright-report/data/d4083499a387fbf4e904d9103fbdfa3ab50f0893.png`
  - Test(s): should show error for empty fields (A/B)
  - Locators: `#notification` (id), `role=alert` or text matching `/no.*res.*:/i`
- **Chat opened (post-login)** — `playwright-report/data/5648a809cbe47e8152ff710b5d2be53526405761.png`
  - Test(s): should login and open chat (A/B)
  - Locators: link/button `Hablamos?`, new tab title contains `Alex Hub OS`
- **Reservation error (invalid room)** — `playwright-report/data/cc5631e724eb8330d3fc69573f66b77a6040ff8c.png`
  - Test(s): should not login with incorrect room number (A/B)
  - Locators: error area `#notification`, assertion uses `toContainText` on reservation id/name

Note: the PNG filenames above correspond to screenshot assets produced by Playwright and are stored under `playwright-report/data/` in each run's report folder. Replace paths with the exact run folder if you want run-specific images (e.g., `playwright-report/report_2025-12-19_17-05-37/data/<file>.png`).

Most Recent 5 Reports

- Run 20413844932 — HTML report (artifact) (https://github.com/xaviergonzalezarriolaliza/HubOS_XGA/actions/runs/20413844932/artifacts/4937671520)
- Run 20413492572 — HTML report (artifact) (https://github.com/xaviergonzalezarriolaliza/HubOS_XGA/actions/runs/20413492572/artifacts/4937578417)
- 2025-12-19: 304 tests passed (playwright-report/report_2025-12-19_17-05-37/index.html)
- 2025-12-15: 304 tests passed (playwright-report/report_2025-12-15_13-13-29/index.html)
- 2025-12-14: 304 tests passed (playwright-report/report_2025-12-14_16-53-08/index.html)

Latest Test Report — grouped by title (selected scenarios)

- **Guest in Touch Login**
  - should login with correct room and surname (A)
  - should login with correct room and surname (B)
  - should login with room number without leading zero (A/B)
  - should not login with incorrect room number (A/B)
  - should show error for empty fields (A/B)
- **Chat / Post-login**
  - should login and open chat (A/B)
- **Edge & Security checks**
  - should (not) allow login with partial name (security proof)
  - should show error for very long room number (A/B)

Project Structure

- `tests/` — Contains all test cases
- `playwright.config.ts` — Playwright configuration

Note: Use `--headed` to observe browser actions during test execution.