🏢 RMS Hotel Booking Automation - Playwright + TypeScript

This project is an automated test suite for the RMS Hotel Booking system using **Playwright** and **TypeScript**. It supports execution on both **desktop** and **mobile browsers**, and allows you to run tests across multiple environments like QA1, QA2, and QA3.

📂 Project Structure

```
RMS_HotelBooking/
├── tests/                    # Test specs
├── pages/                    # Page Object Model classes
├── utils/                    # Utility functions
├── test-data/                # Test data in structured format
├── .env                      # Environment variables
├── playwright.config.ts      # Playwright configuration
├── README.md                 # Project instructions
```

⚙️ Installation Steps

🧱 Prerequisites

Ensure the following are installed:

- Node.js (v18+)
- npm (comes with Node.js)

📦 Setup Project

```
# 1. Clone the repository
$ git clone <your-repo-url>
$ cd RMS_HotelBooking

# 2. Install dependencies
$ npm install

# 3. Install Playwright browsers
$ npx playwright install
```

🌍 Environment Setup

Create a `.env` file in the root with the following:

```
QA1_URL=https://alphaibe12.rmscloud.com/22749/1
```

Set the environment before running tests:

```
$ export TEST_ENV=QA1          # Mac/Linux
$ set TEST_ENV=QA1             # Windows CMD
$ $env:TEST_ENV="QA1"          # PowerShell
```

🚀 Running Tests

💻 Desktop Browser

```
npx playwright test --project="Desktop Chrome"
```

🔳 Mobile Browser (iPhone 13)

```
npx playwright test --project="Mobile Safari"
```

🧪 Running Specific Test File

```
npx playwright test tests/hotelBooking.spec.ts --project="Desktop Chrome" --headed
```

📊 Generating and Viewing HTML Report

Generate and view report after test execution:

```
npx playwright show-report reports/html-report
```

🔐 Sensitive Data Handling

Sensitive values like card numbers are stored in `encrypted` mode. Do **not** hard-code them in test files. For enhanced security:

- Use CI secrets or secure vaults in pipelines.

👤 Contributors

- Laleen Pallegoda

📄 License

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