🧪 Playwright REPL with Hot Reload + Sessions

This project is a custom TypeScript-powered **interactive REPL** for [Playwright](#), enhanced with:

- ✅ `await` support for Playwright commands
- 🔄 Hot-reloadable helper functions
- 💾 Persistent browser sessions via `storageState`
- 🧠 Real autocompletion and command history
- 🪄 Preloaded aliases like `goto()`, `ss()`, and `text()`

📦 Installation

```
pnpm install
npx playwright install
```

> Requires Node.js `>=18`. Works best with `tsx`.

🚀 Getting Started
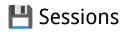
```
pnpm tsx scripts/playwright-repl.ts
```

🧰 Available Globals in REPL

Binding	Description
`browser`	Chromium browser instance
`context`	Browser context (isolated profile)
`page`	The current page tab
`ss(name?)`	Screenshot with timestamp filename
`goto(url)`	Shortcut for `page.goto(url)`
`text(sel)`	Get inner text of element
`eval(fn)`	Shortcut for `page.evaluate(fn)`
`.editor`	Open multi-line input mode

Binding	Description
`.exit`	Quit the REPL

💾 Sessions

Session data is saved on exit and restored on launch using Playwright's `storageState`.

- 📍 File: `storage/session.json`
- ✅ Keeps cookies, localStorage, and login sessions
- 🔄 Automatically loaded if it exists

🔄 Hot-Reloadable Helpers

Your helpers live in:

```
scripts/playwright-repl-helpers.ts
```

Every time you save this file, the REPL automatically reloads your updated helpers **without restarting the browser or REPL**.

You can customize this file to include your own commands and debugging tools.

📂 Project Structure

```
scripts/
├── playwright-repl.ts          # Entry REPL script
├── playwright-repl-helpers.ts  # Hot-reloadable helper functions
storage/
└── session.json                # Browser session state
```

🛠️ Future Enhancements

- ☐ Multiple session profiles (e.g., `admin`, `guest`)
- ☐ `.resetSession` command
- ☐ Cookie inspector / header dumper
- ☐ Custom commands for intercepting network requests

🧙‍♂️ Example Usage

```
await goto('https://example.com')
await text('h1')
await ss('homepage')
```

♥ Credits

Crafted with love, caffeine, and drama. Inspired by Playwright, styled for legends.