Universal Web Parser

Aleksei Rziankin 2025

A Software-as-a-Service (SaaS) platform that runs your Kotlin scripts on schedule - complete with helper APIs for web parsing.

Main features:

Dynamic scripting
Compile and run Kotlin scripts on the fly - adjust parsing logic anytime without redeploying.

Real-time feedback
Live WebSocket updates deliver compilation errors, logs, and UI updates instantly.

Structured output
Access parsed data as clean JSON objects through REST endpoints.

Dashboard

Universal Web Parser

ID	Name	Group	Info				Add new		
			C-Err	R/F	Next		Actions		
16	ibm	jobs	●	1/0	4:14 PM	OFF	🌩️	✏️	🗑️

Compilation status

Kill, Edit, Delete

available scripts

RID	Status	Date or Time	Delivered	Result
26	CANCELLED	4:09 PM	false	👁️

results

web console

Aleksei Rziankin

Create new script

ID	Name	Group	Info			Add new	
			C-Err	R/F	Next	Actions	
16	ibm	jobs	●	1/0	4:14 PM	OFF	🖋 🗑

RID	Status	Date or Time	Delivered	Result

Add New Script ✕

Script 1

TestGroup

```
println("Hello from Script 1")
page.navigate("http://ebay.com")
page.title()
```

Save Cancel

Monitoring

Universal Web Parser

ID	Name	Group	Info				Add new	
			C-Err	R/F	Next		Actions	
16	ibm	jobs	🟢	1/0	4:14 PM	OFF	☁️ ✏️	🗑️
17	Script 1	TestGroup	🟢	1/0	5:09 PM	ON	☁️ ✏️	🗑️

RID	Status	Date or Time	Delivered	Result
27	SUCCESS	5:04 PM	false	👁️

blob:https://parser.lexlab.stream/2b013b88-7f6f-4064-8ea2-ee870db0a9ae

🖥️ | 📇 Import favorites | 🔵 LLC Soft-logic Cloud | 🐢 Automated Case Inf... | 🏠 Conservice | 🔶 Log

Pretty-print ☐

"Electronics, Cars, Fashion, Collectibles & More | eBay"

Live Logs

```
23:04:01 Starting script 17
23:04:02 Compiling script 17
23:04:02 Successfully compiled script 17
23:04:02 S17> Hello from Script 1
23:04:04 Script 17, Execution status: SUCCESS
```

✳️ Aleksei Rziankin

Script API

Each script has access to the following API, managed by the Parser:

println(Any) – Outputs any object to the web console.

page – A ready-to-use Playwright Page instance. Autosaves cookies and sessions.
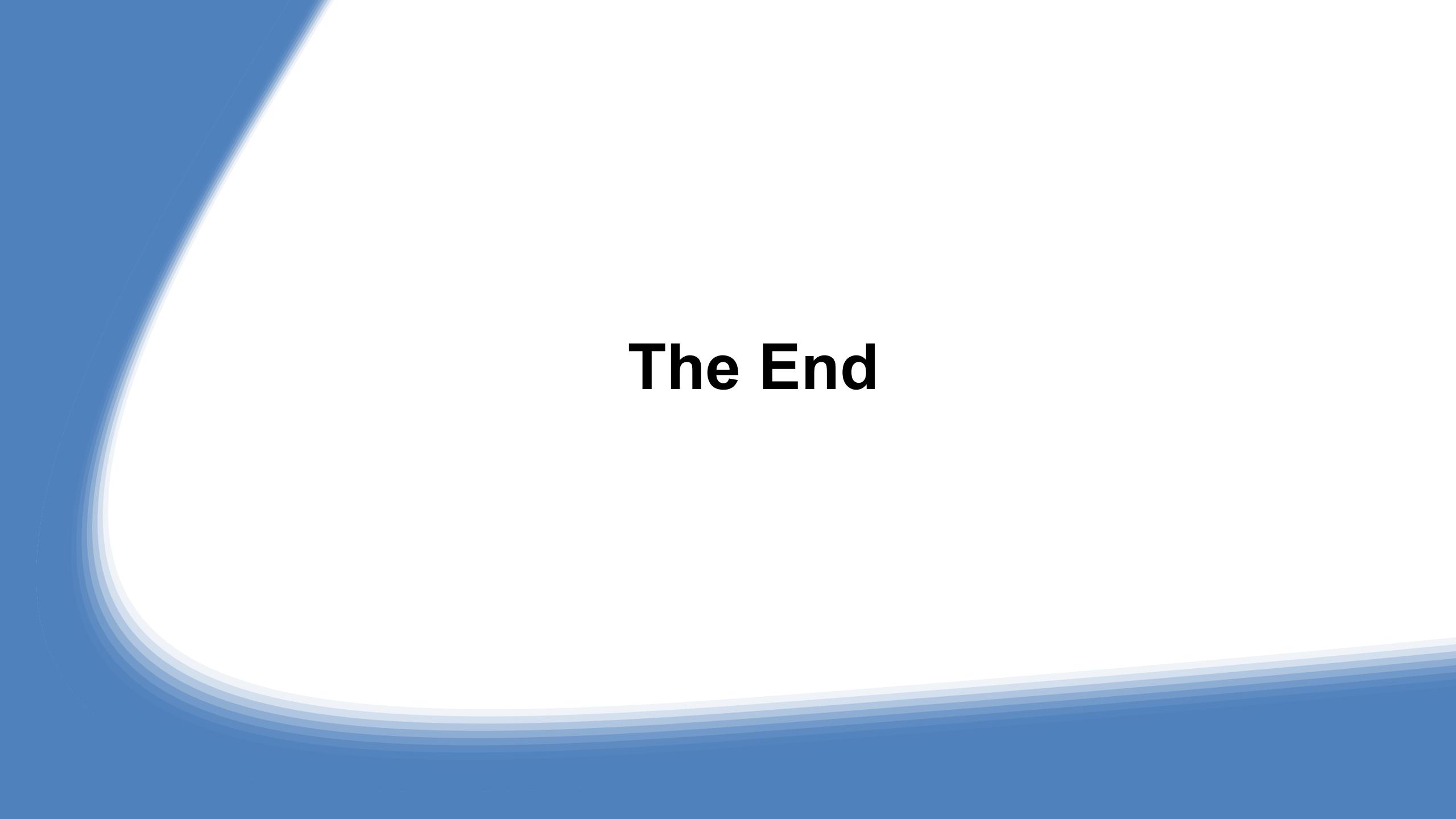
store – Provides access to state:

   fun load(): MutableMap<String, String> – Reads the map from disk.

   fun save(map: Map<String, String>) – Saves the map to disk.

   val memoryMap: MutableMap<String, Any> – A singleton in-memory map.

fun isThrottled(url: String, hours: Int): Boolean – Returns true on the first invocation, then false until the specified time has passed.

The End