



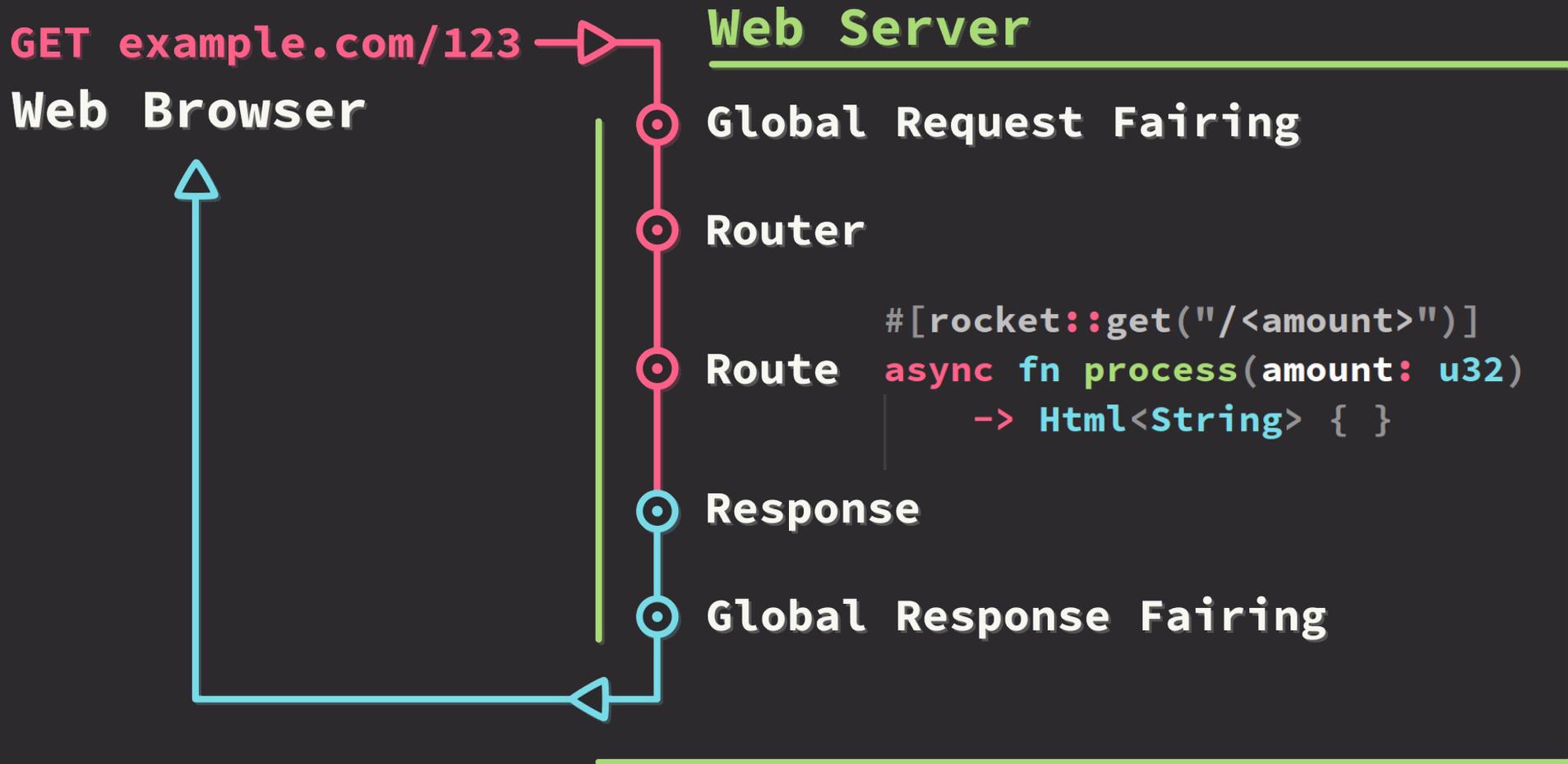
Prerequisite

Rocket

■ About Rocket

- ◆ Asynchronous web server
 - Cookies, forms, encryption
 - Query strings, comprehensive URI routing, redirects, etc
 - State management
 - Global request/response inspection
 - Built-in testing mechanism
- ◆ **<https://rocket.rs>**

Rocket Web Request Lifecycle



■ Concepts

- ◆ **Request** – Incoming data from client
- ◆ **Response** – Outgoing data from server
- ◆ **Request Guard** (function parameter)
 - Prevent routes from running without proper data
- ◆ **Catcher** – Responds to unhandled errors
- ◆ **State** – Data managed by Rocket
 - Can be accessed via route guard
- ◆ **Fairing** – Global request & response inspection