



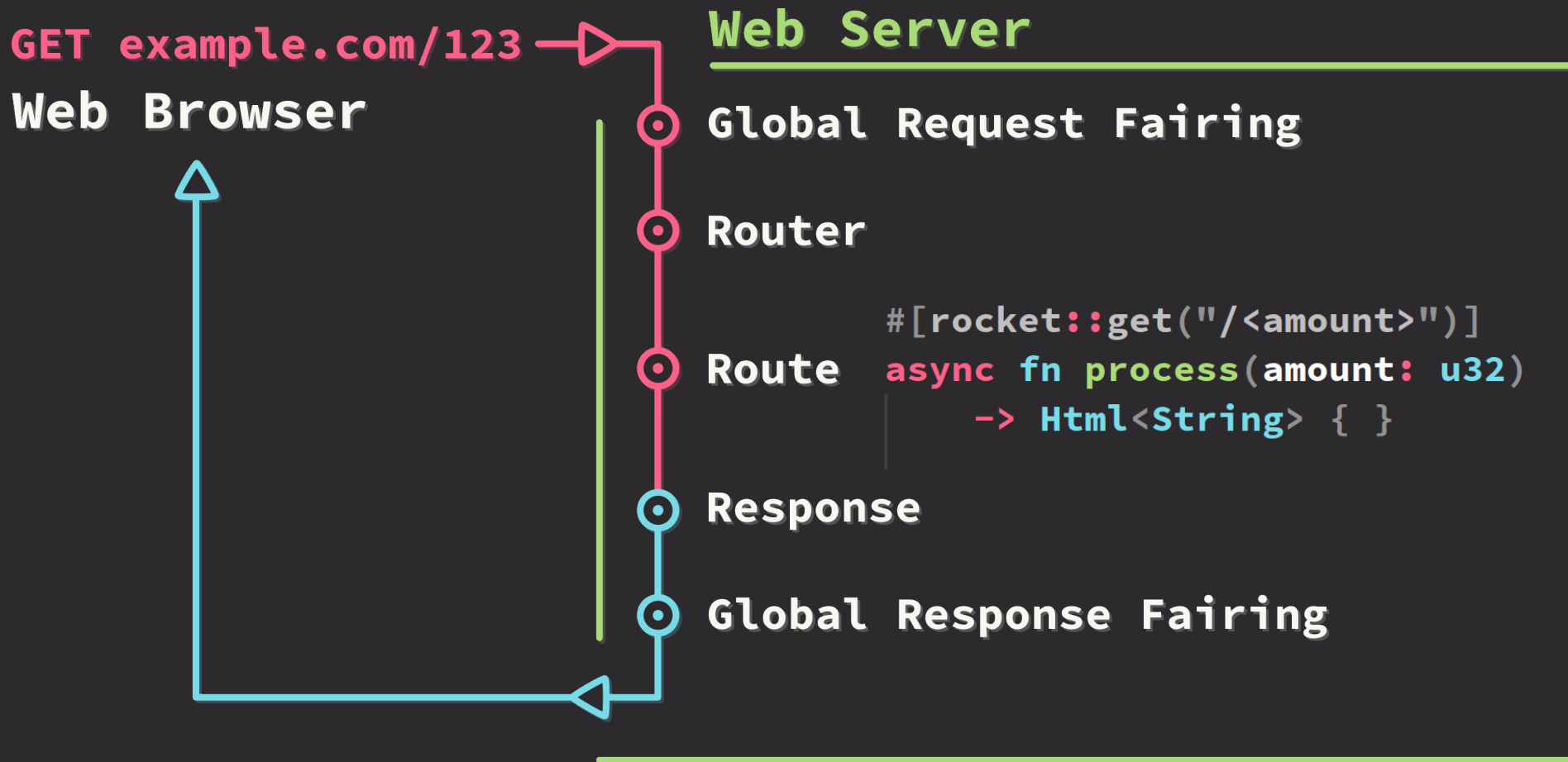
# Prerequisite

## 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