

Desenvolvimento de Aplicações Web

Semestre de Inverno

2023/24

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Gomoku::C

Git Tag 0.1.2

Overview of the backend for the Gomoku game using K

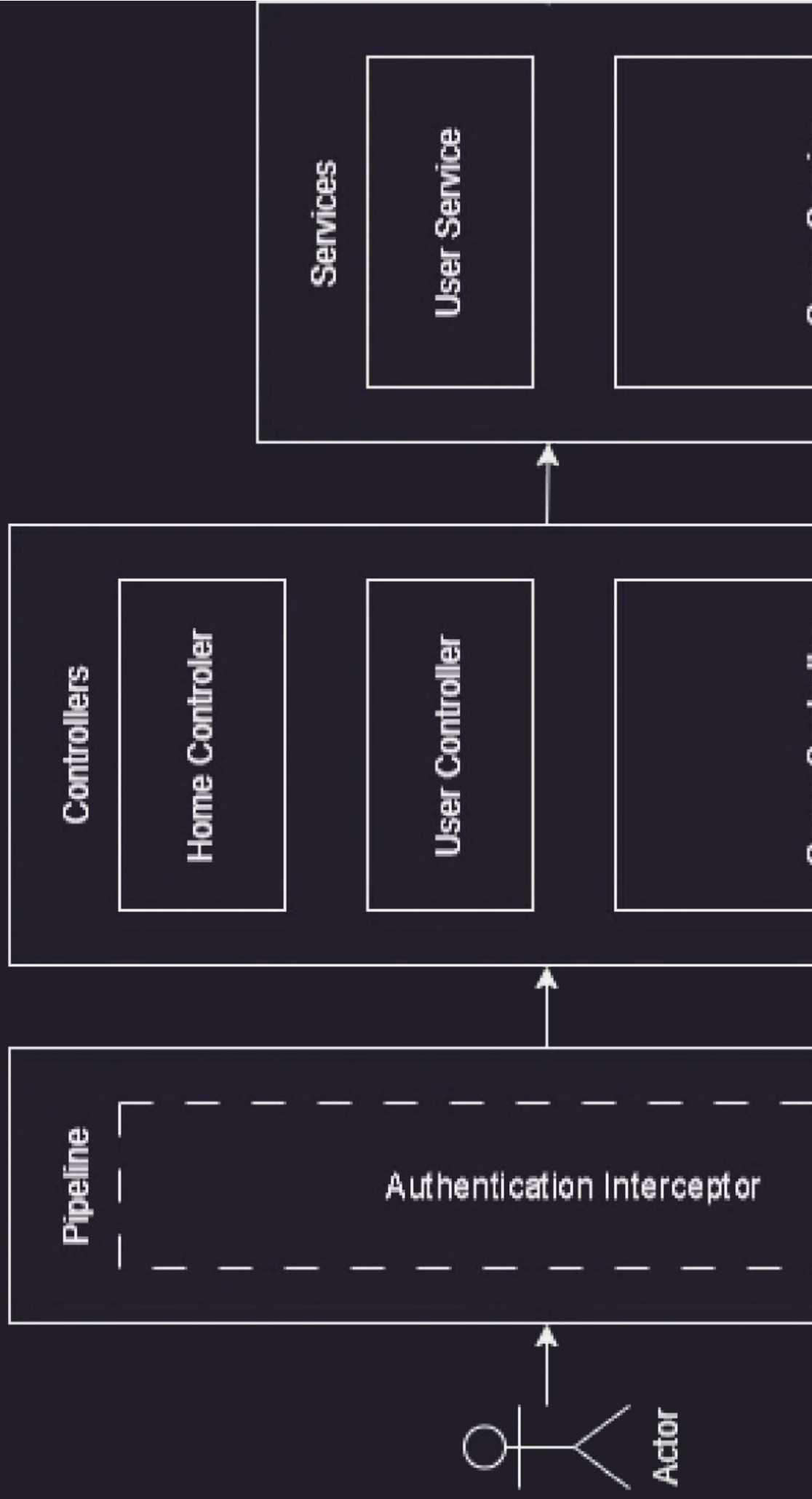
Agenda

- Software organization
- EA Model
- Implementation details
- Error format
- User Journey

Software organization

Diagram

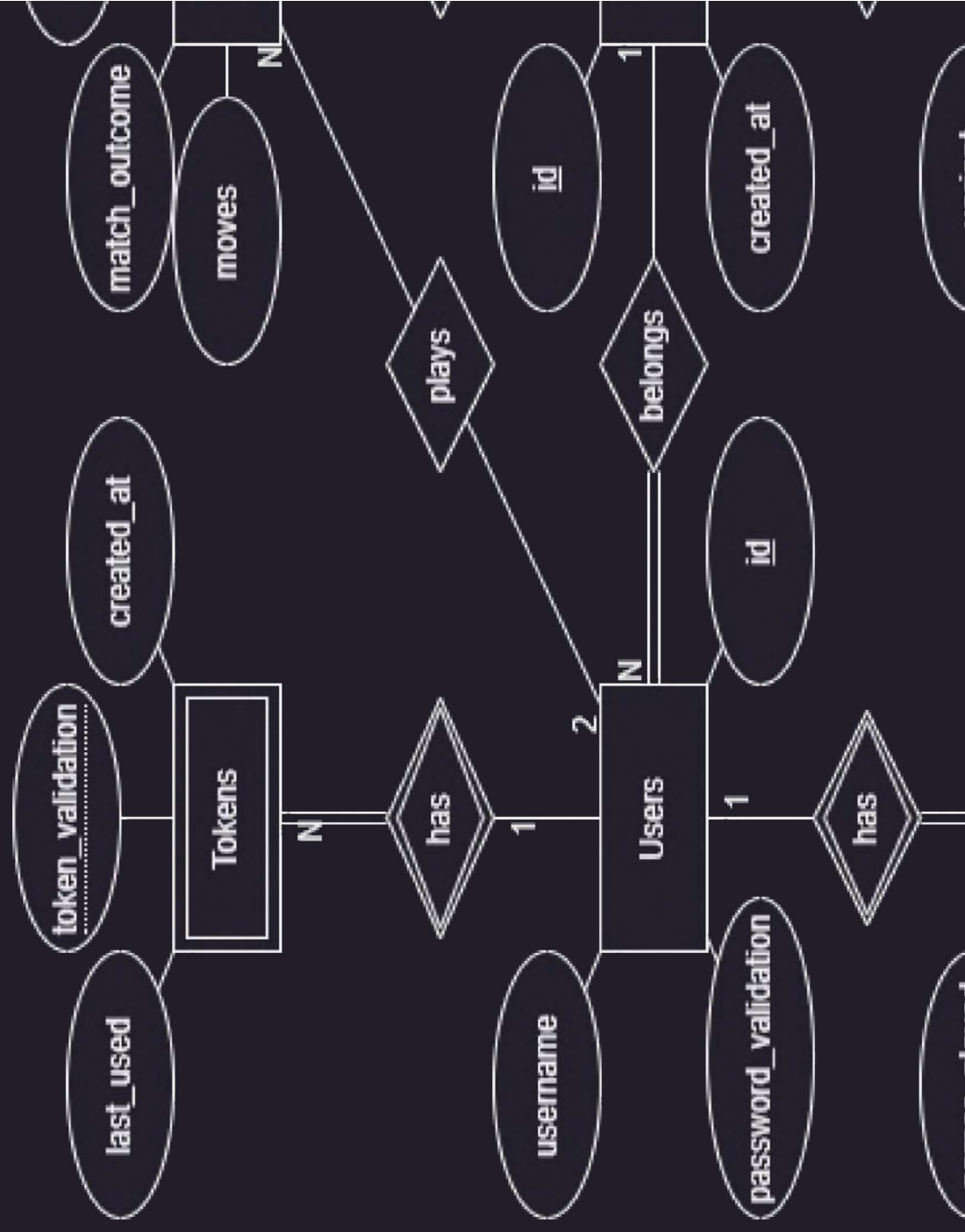
Software Organization



EA Model

Diagram

GOMOKU



Implementation

Details

Implementation details

Pipeline

Interceptor that verifies and ensures the authentication in the needed
Implemented by checking if there is a parameter of the type Authentication
Sets the status code of the response to 401, in case the operation needs
in the request.

Controller

Receives and sends Input models and Output models respectively, and
Problem in the case of failure.

Implementation details

Services

Layer that ensures domain restrictions and logic.

Utilizes the `TransactionManager` to handle data transactions and integrity. Based on the failure or success of the operation, it returns an error or

Repositories

Access data layer, implemented in `JDBI`, interacting with a `PostgreSQL`. Some verifications already made in the services are repeated in order

Error form

application/problem+json

Error format

When doing this request when there is already a user with the user response will be an error following the format specified in **RFC 7807**

Code snippet of the request



```
POST /api/users/create HTTP/1.1
Content-Type: application/json

{
  "username": "DAW_Demo1",
  "password": "1234567890",
  "email": "demo1@example.com",
  "phone": "1234567890"
```

Code s



```
HTTP/1.1 409 Conflict
Content-Type: application/problem+json

{
  "title": "User already exists.",
  "type": "https://github.com/isel-leic-da
```

User Jour

Improvements

- Hypermedia support
- Allow user to change details about him
- More exhaustive testing
- Use docker
- More routes

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- H in
- T

Authors In

Subtitle

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