

# **GOMOKU**

**DAW PHASE 2 – FRONTEND  
V1.0.1**

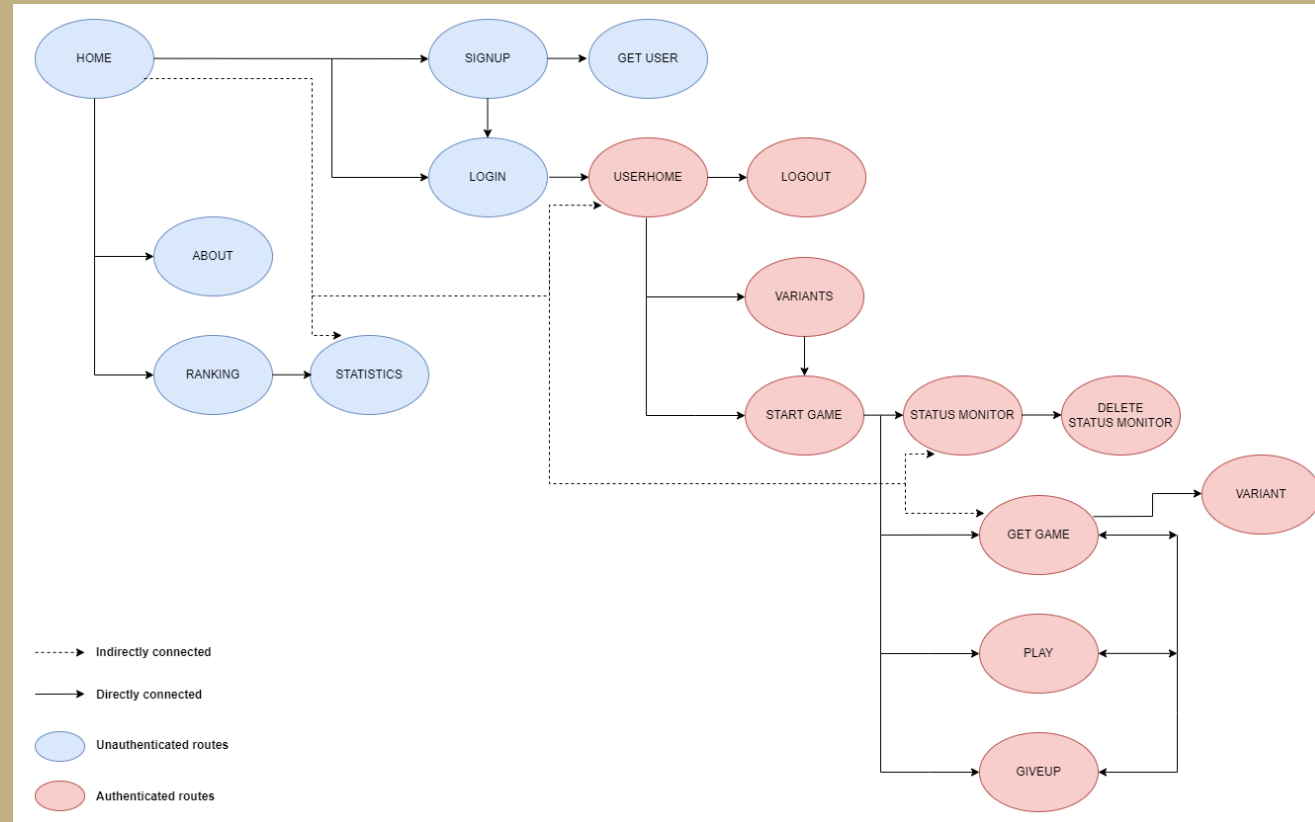
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# TOPICS

- Backend (improvements)
- Frontend
- Project Architecture
- Demonstration
- Main implementation challenges in frontend
- Conclusions

# BACKEND (IMPROVEMENTS)

- Hypermedia (Siren)



Navigation Graph

Details in [API Documentation](#)

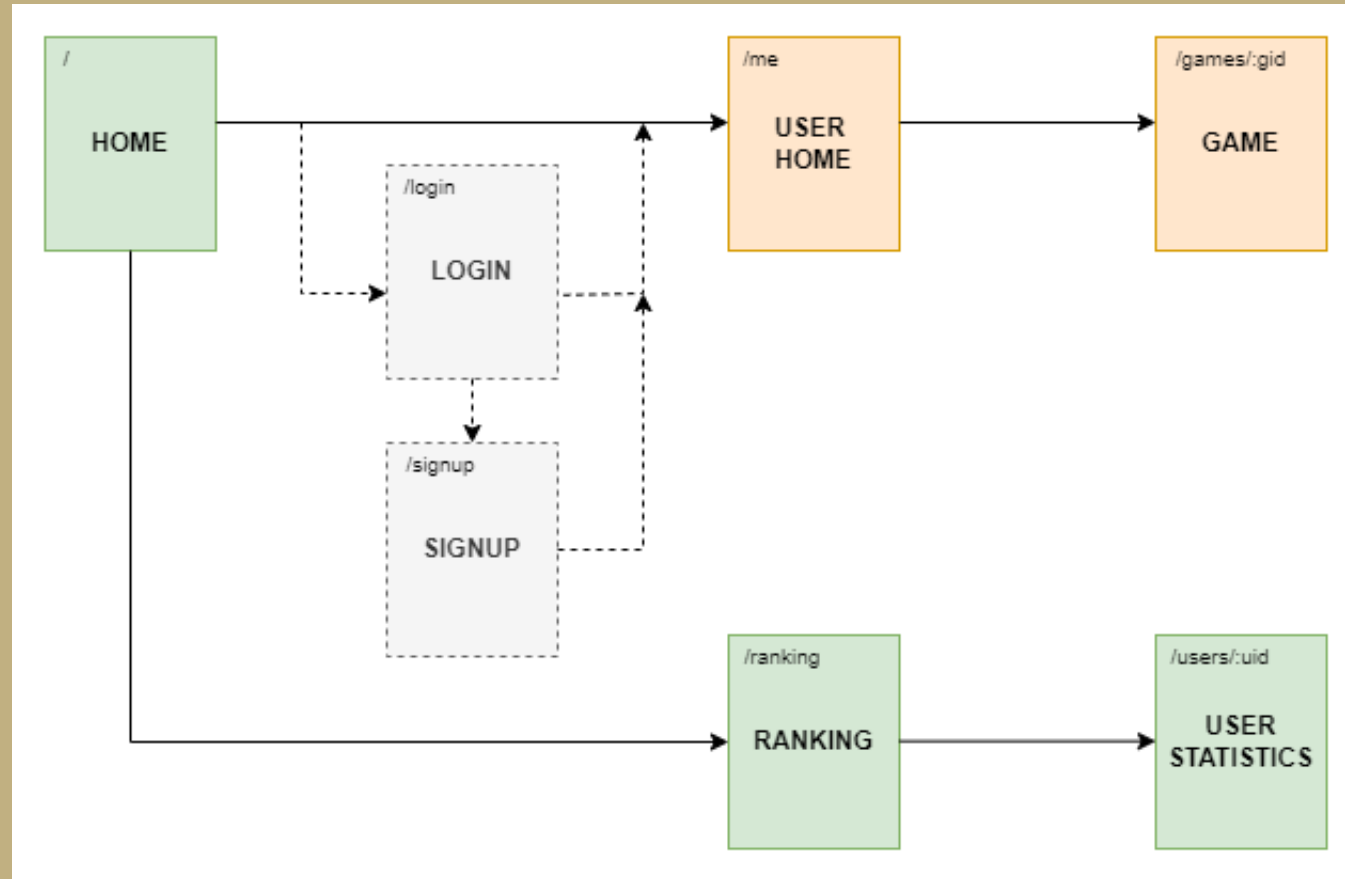
# CONT...

- Cookies

Name	Value	Expires	Same Site	Path	Secure	Http Only
token	<token>	<date y>	Strict	/	true	true
login	<id-username>	<date y>	None	/	true	false

# FRONTEND

- Web Application Structure



Details of the state machines for each page in [Frontend Technical Document](#)

# CONT...

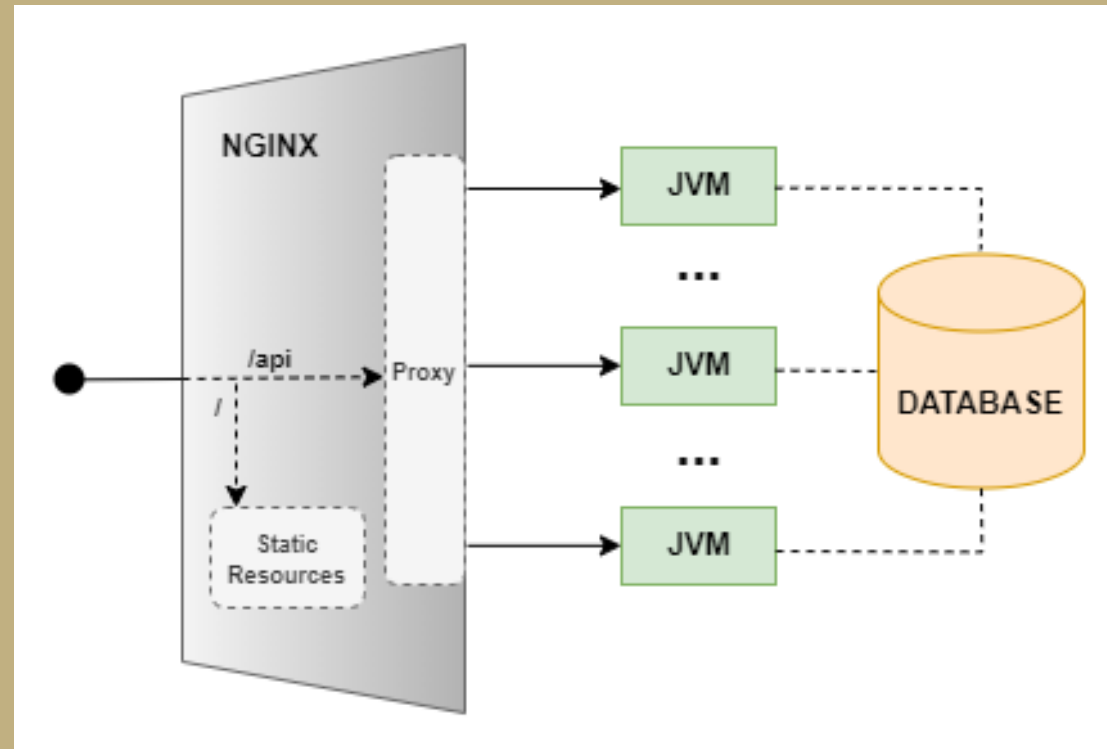
- Frontend Software Organization

```

  ▾ public
    <> index.html
  ▾ src
    > components
    > domain
    > http
    > pages
    ▾ utils
      > auth
      > error
      > infra
      > page
    TS App.tsx
    TS index.tsx
```

Details in [Frontend Technical Document](#)

# PROJECT ARCHITECTURE



Details in [Technical Document](#)

# DEMONSTRATION



# MAIN IMPLEMENTATION CHALLENGES IN FRONTEND

- Polling
- Initial loading of Siren Links and Siren Actions
- Context and Cookies

# CONCLUSIONS

Goals reached	Possible Future Improvements
Backend + Frontend in a distributed solution w/ load-balancing	Server Sent Events
	More Functionalities and Variants
Frontend uses all features implemented in backend	User Experience (CSS)



**THANK YOU!**