

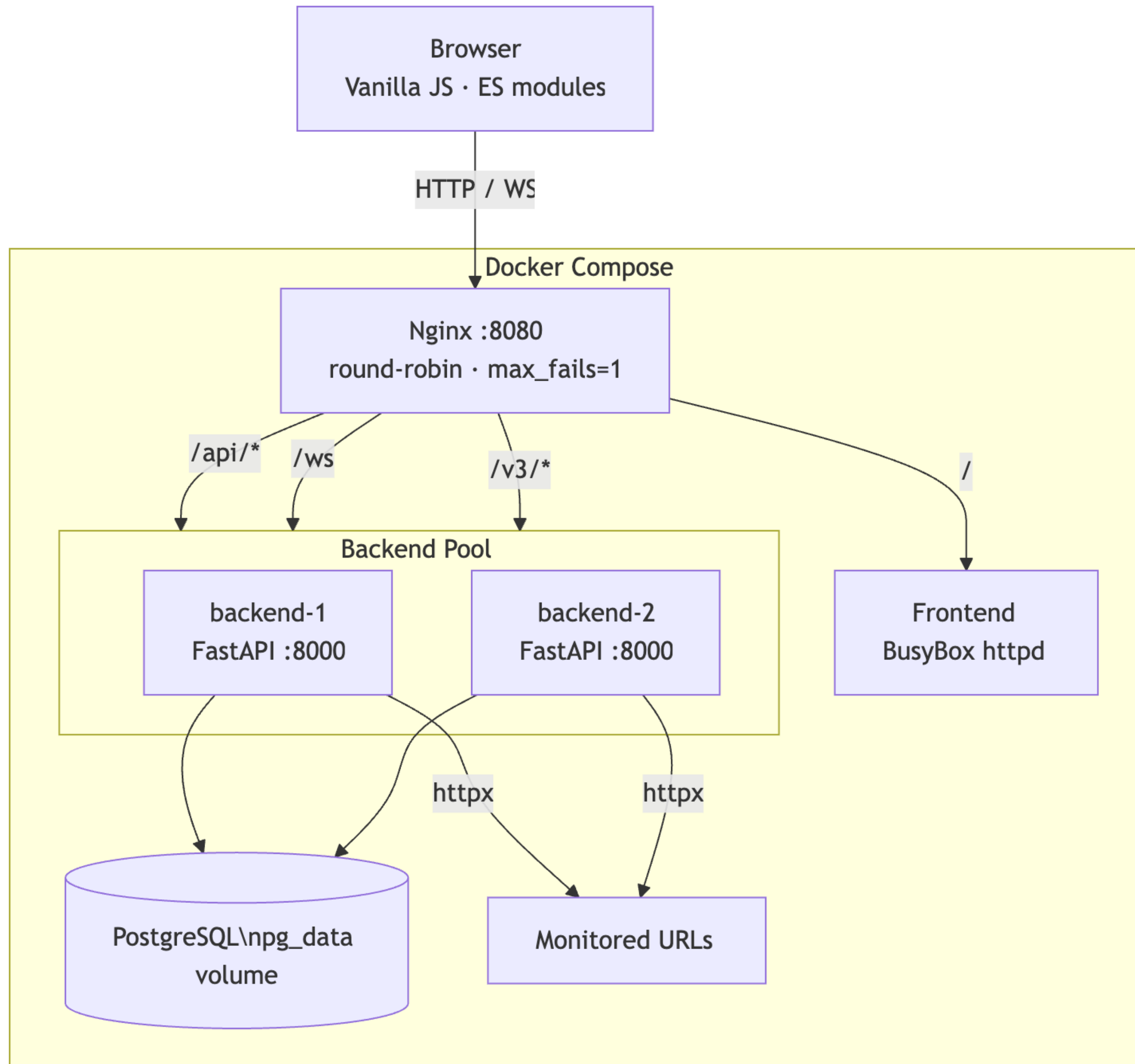
Website-checker

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Goal

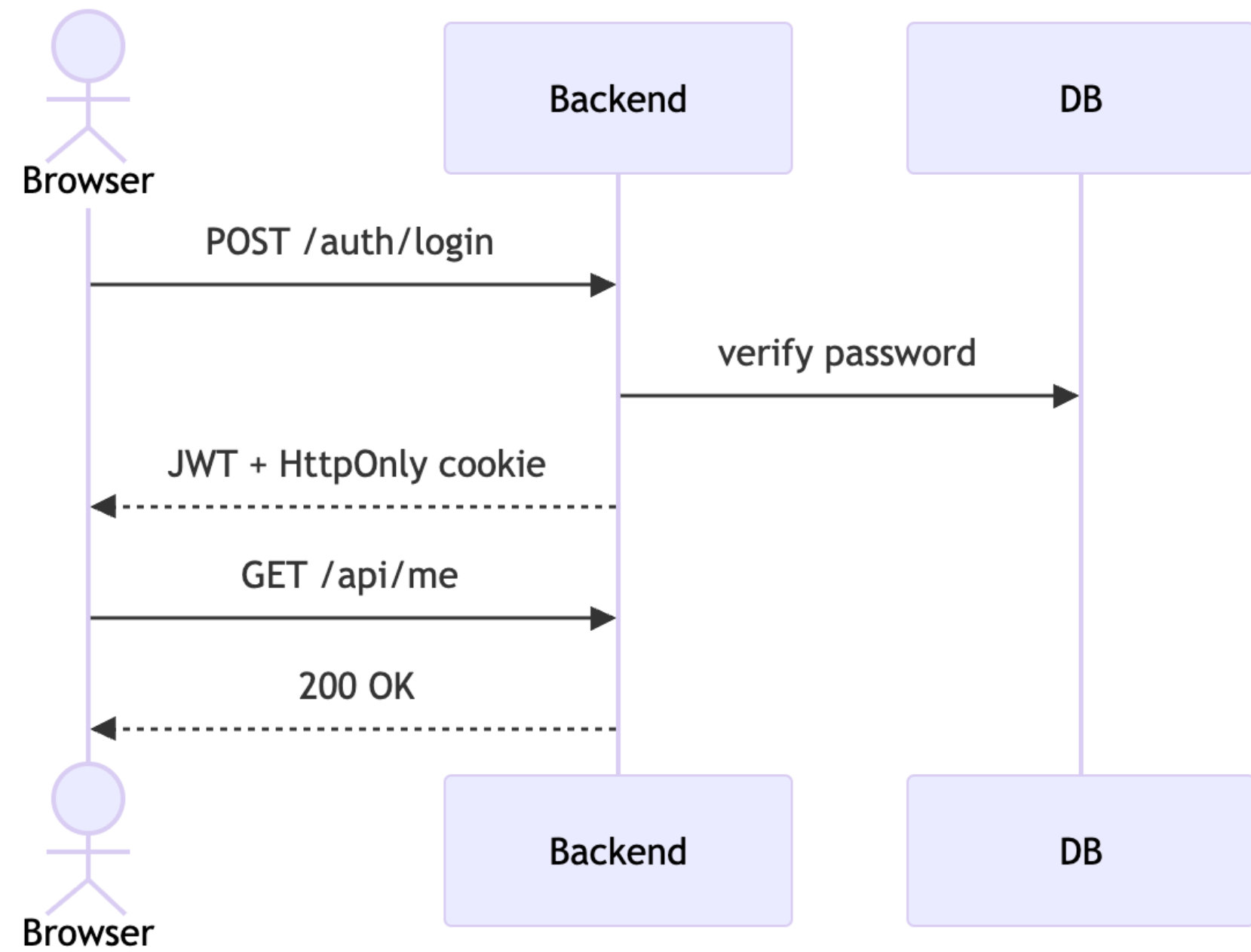
- Periodic status check for http endpoints
- Persistent records for past uptime
- Groups for collaborative projects
- OpenAPI import so that existing projects can easily be monitored
- Postman import so that existing collections can be migrated

Architecture

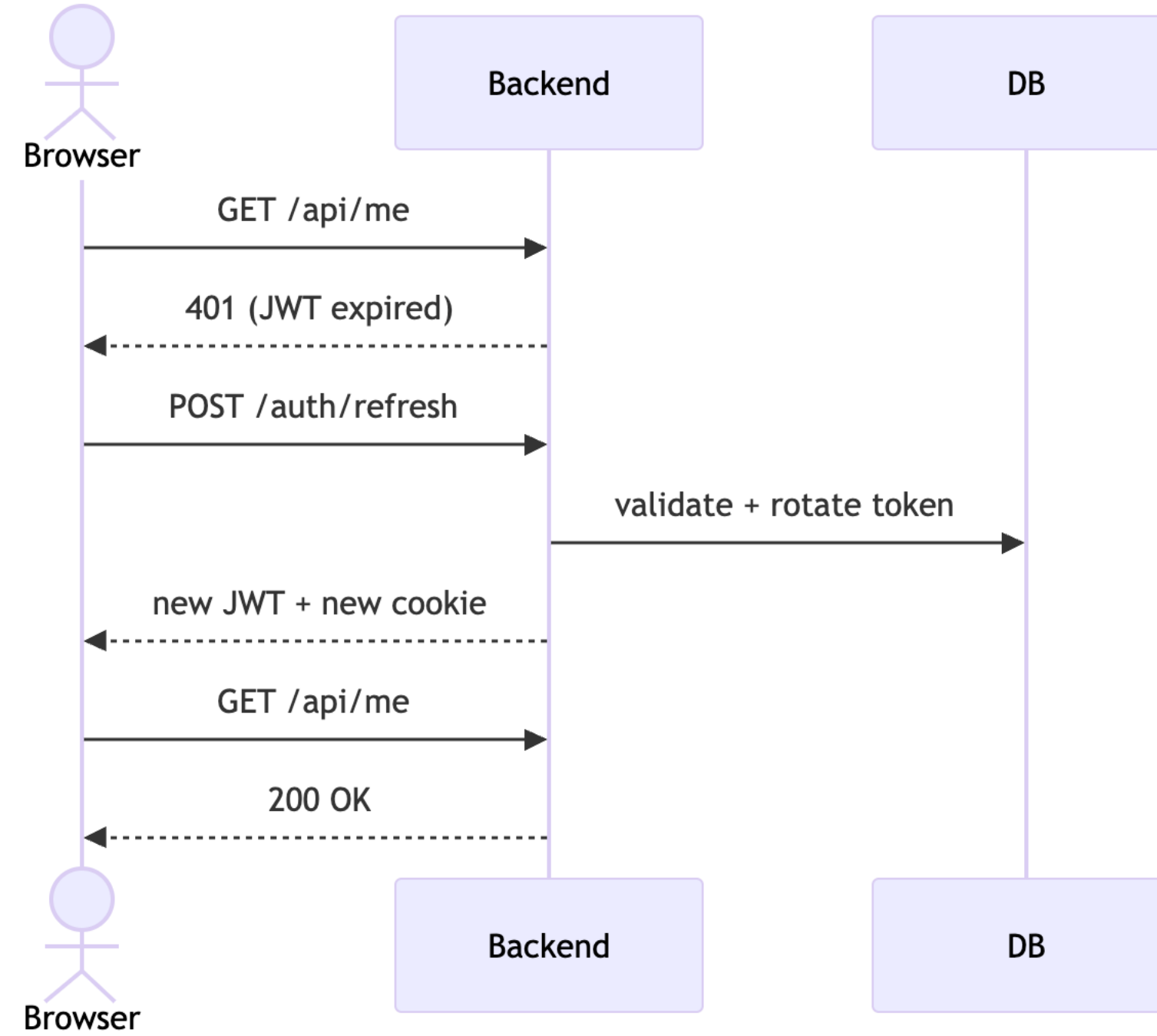


Authentication

- Login

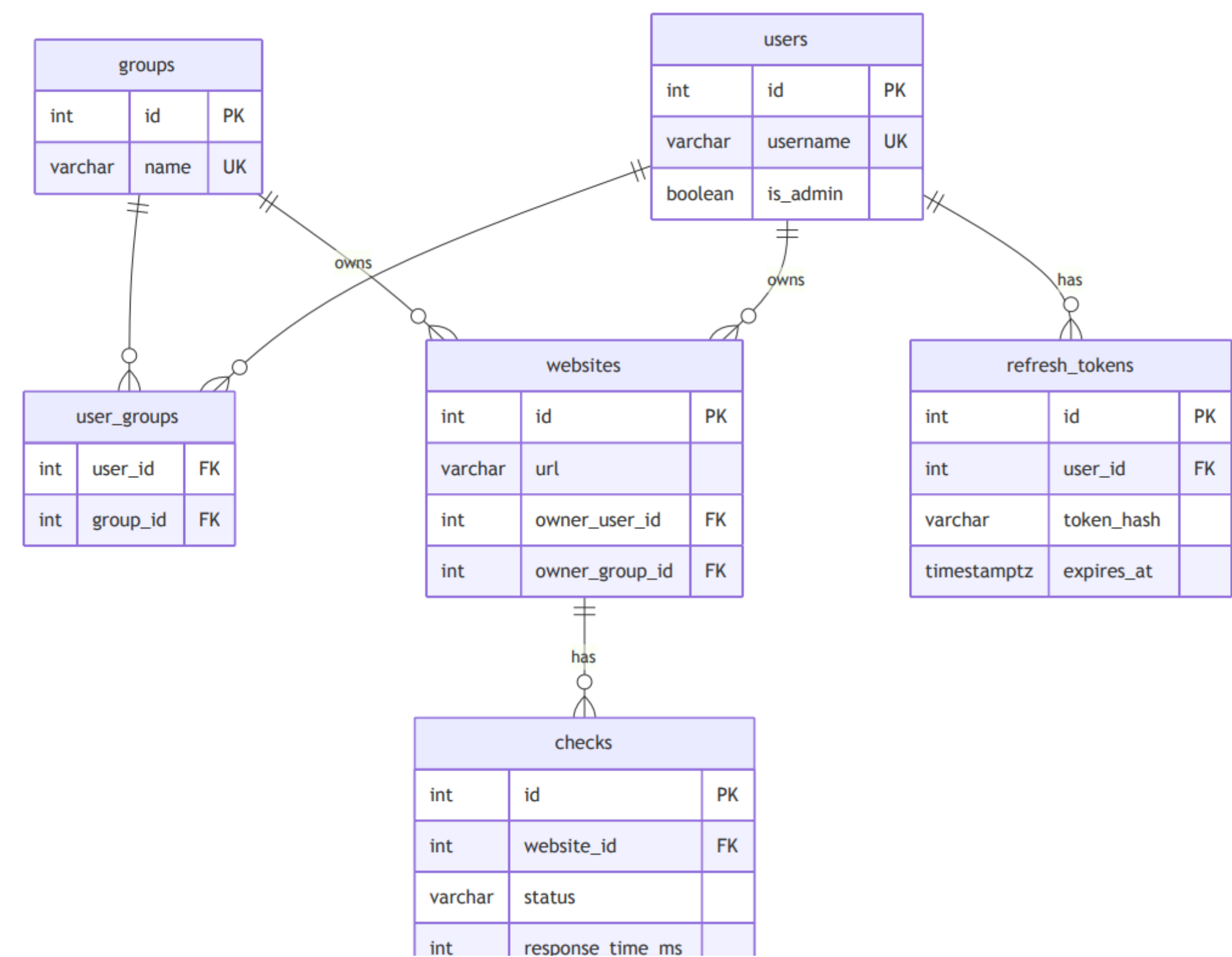


- JWT Expired



Persistence

- Volume for DB



Performance

- Throughput



- Latency



- Limits / Scaling

10 db connections per backend instance

```
pool = await asyncpg.create_pool(DATABASE_URL, max_size=50)
```

1 worker per backend

```
CMD ["uvicorn", "src.main:app", "--host", "0.0.0.0", "--port", "8000", "--workers", "4"]
```

Design Choices

- Native JS, HTML & CSS
- Nginx as Reverse Proxy, Load-Balancer
- WS for Up and Down status no need to refresh