

A stylized map of Europe in light gray. A blue triangle points to Germany. A speech bubble with a black outline and blue shadow contains the text "Forget your old duty plan!". Three small black dots are visible in Central Europe.

MarbleCollector

Jan Schenk, David Aeschlimann, Severin Hofer, Marcel Rindisbacher

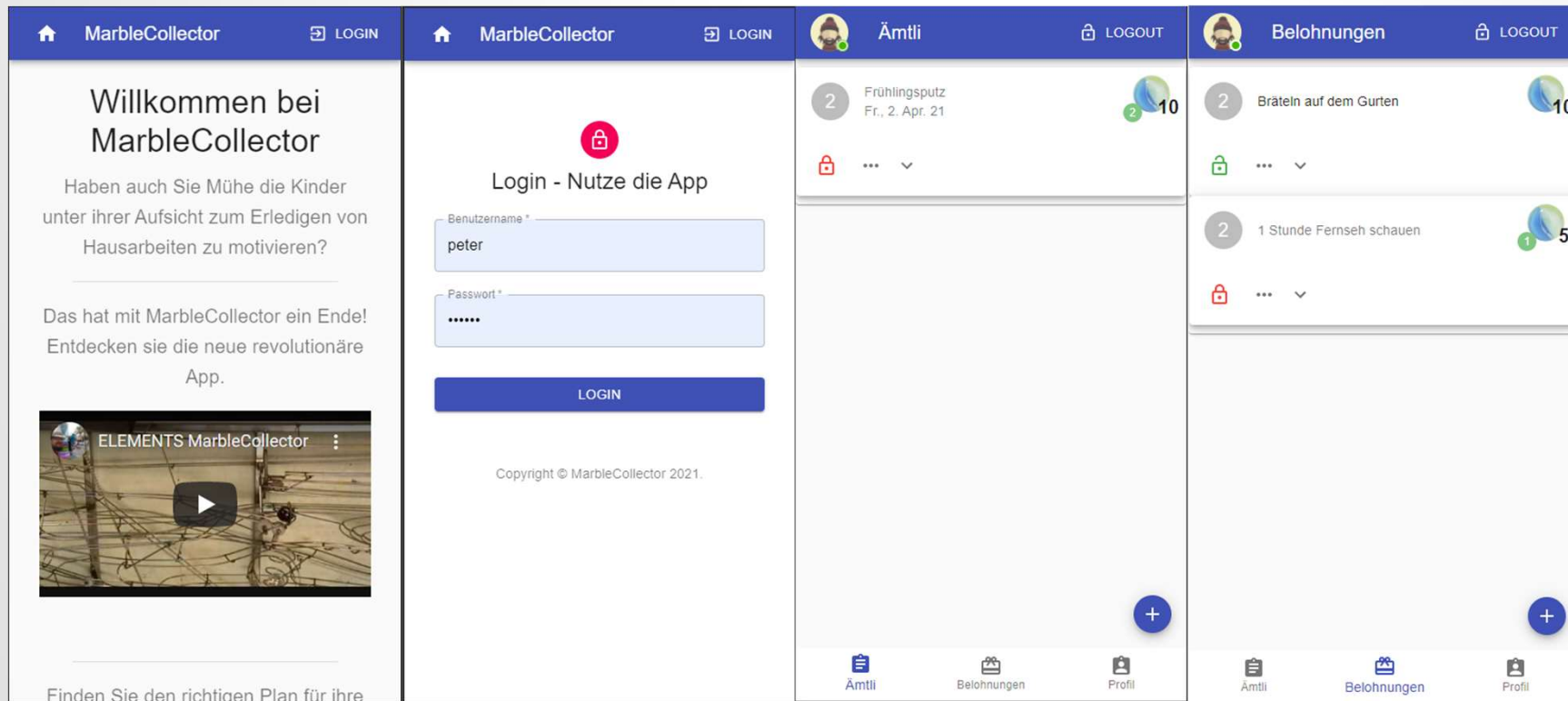
MARBLE COLLECTOR

- Gamification
- Ämtli & Belohnungen
- Anreize schaffen für Kinder



DEMO

DEMO

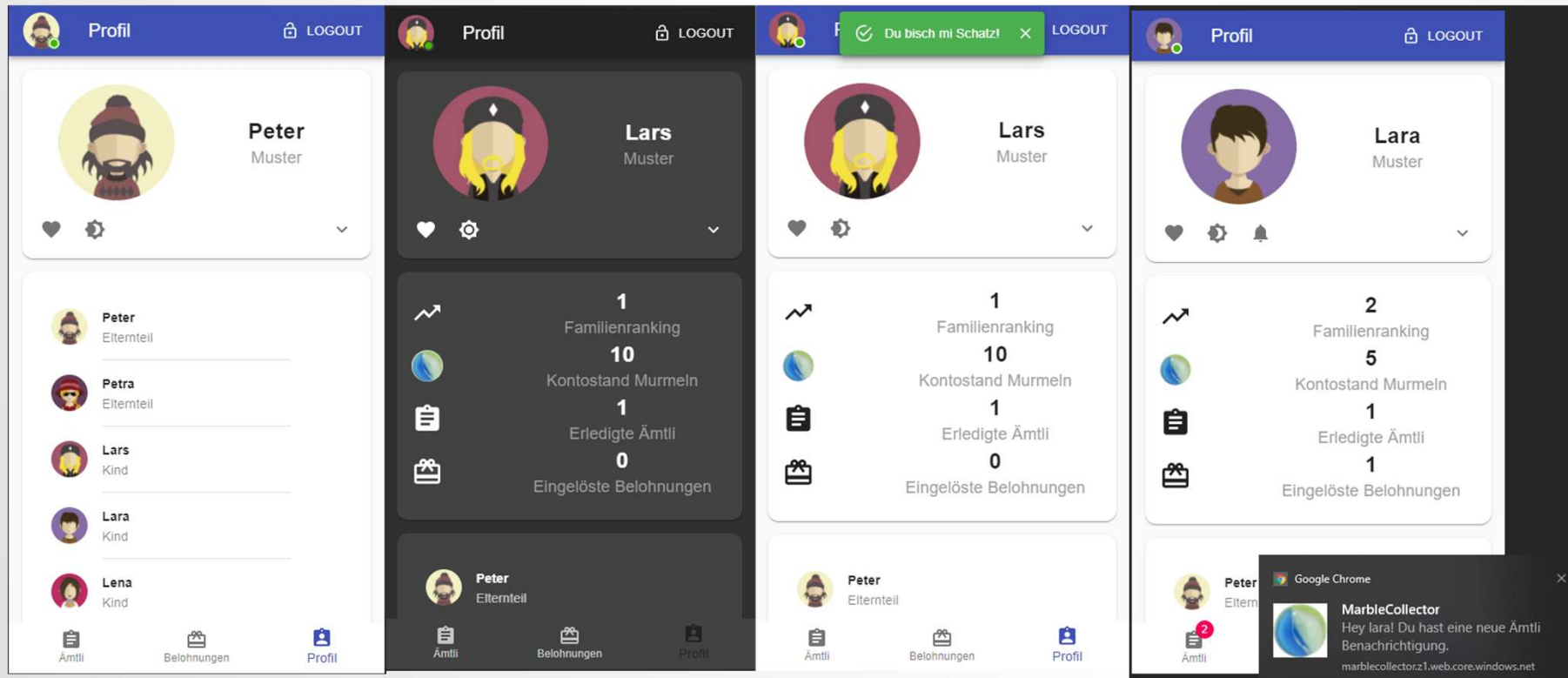


DEMO

The image displays four screenshots of the MarbleCollector app interface, arranged horizontally. Each screenshot shows a different user profile and their associated tasks.

- First Screenshot (Peter Muster):** Shows the profile of Peter Muster, an adult (Elternteil). The interface includes a profile card with a heart icon, a settings gear, and a dropdown arrow. Below the profile card is a list of family members: Peter (Elternteil), Petra (Elternteil), Lars (Kind), Lara (Kind), and Lena (Kind). At the bottom are icons for Ämtli, Belohnungen, and Profil.
- Second Screenshot (Frühlingsputz):** Shows a task titled 'Frühlingsputz' (Spring Cleaning) for Friday, April 2, 2021. The task is marked as 'FERTIG' (Finished). Below the task title is a progress bar with four steps: Neu (New), Aktiv (Active), Prüfen (Check), and Erledigt (Completed). At the bottom are icons for Ämtli, Belohnungen, and Profil.
- Third Screenshot (Belohnungen):** Shows a list of tasks. The first task is '1 Stunde Fernseh schauen' (Watch 1 hour of TV) with a value of 5. The second task is 'Trickfilme schauen' (Watch Trickfilms) with a value of 10. The third task is 'Brätein auf dem Gurten' (Brätein on the Gurten) with a value of 10. Each task has a progress bar with four steps: Verfügbar (Available), Angefragt (Requested), Bewilligt (Approved), and Eingelöst (Redeemed). At the bottom are icons for Ämtli, Belohnungen, and Profil.
- Fourth Screenshot (Lars Muster):** Shows the profile of Lars Muster, a child (Kind). The interface includes a profile card with a heart icon, a settings gear, and a dropdown arrow. Below the profile card is a summary of family statistics: 1 Familienranking (Family Ranking), 10 Kontostand Murneln (Account Balance Murneln), 1 Erledigte Ämtli (Completed Ämtli), and 0 Eingelöste Belohnungen (Redeemed Rewards). At the bottom are icons for Ämtli, Belohnungen, and Profil.

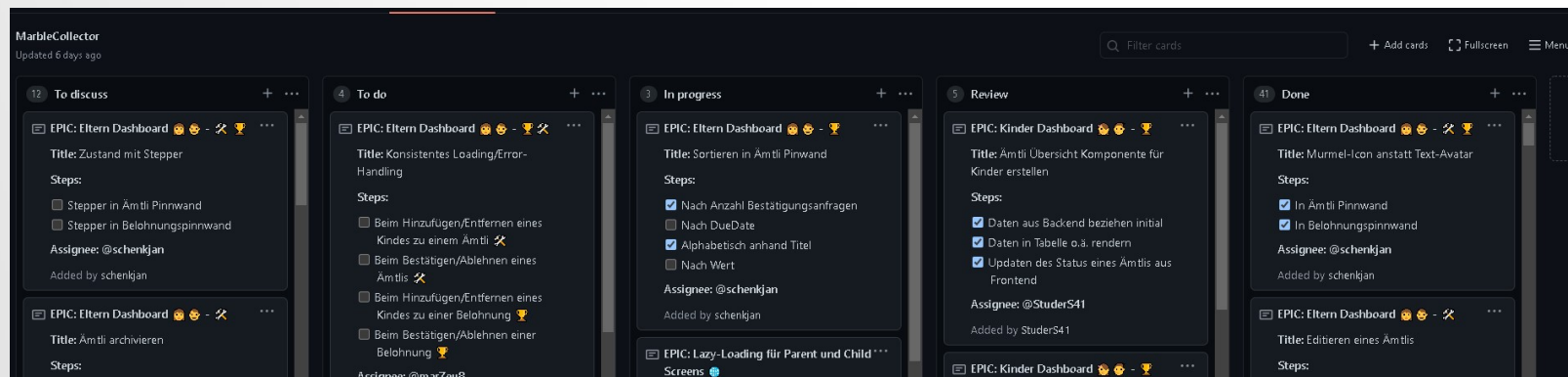
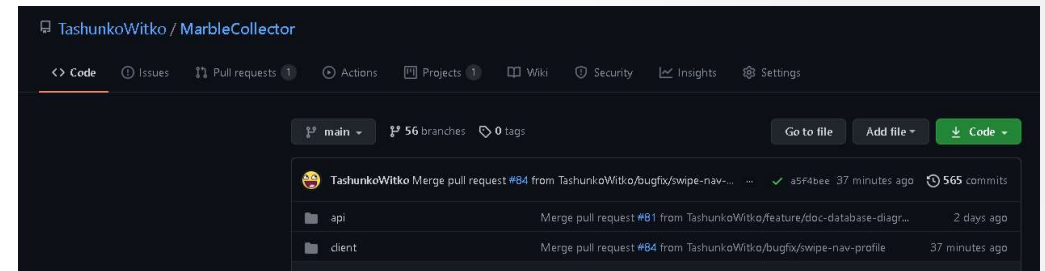
DEMO



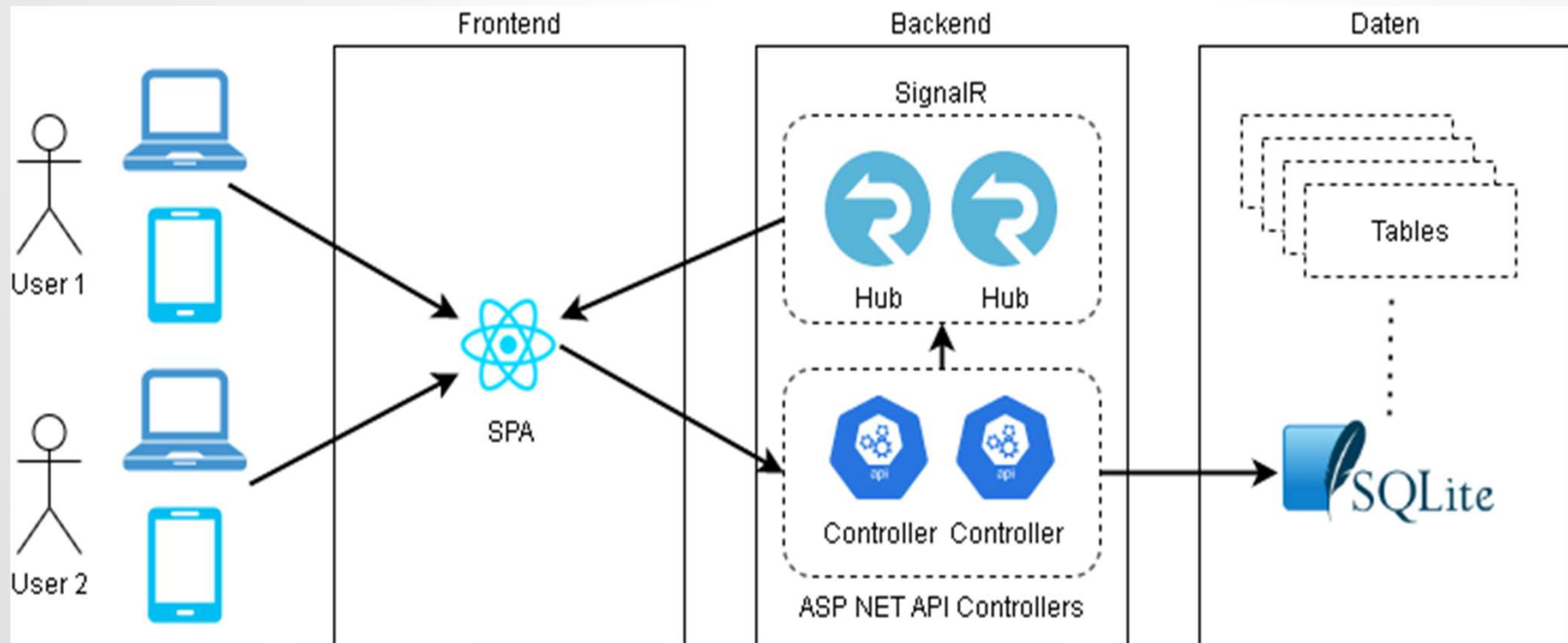
ARCHITEKTUR & ENTWICKLUNG

ENTWICKLUNG

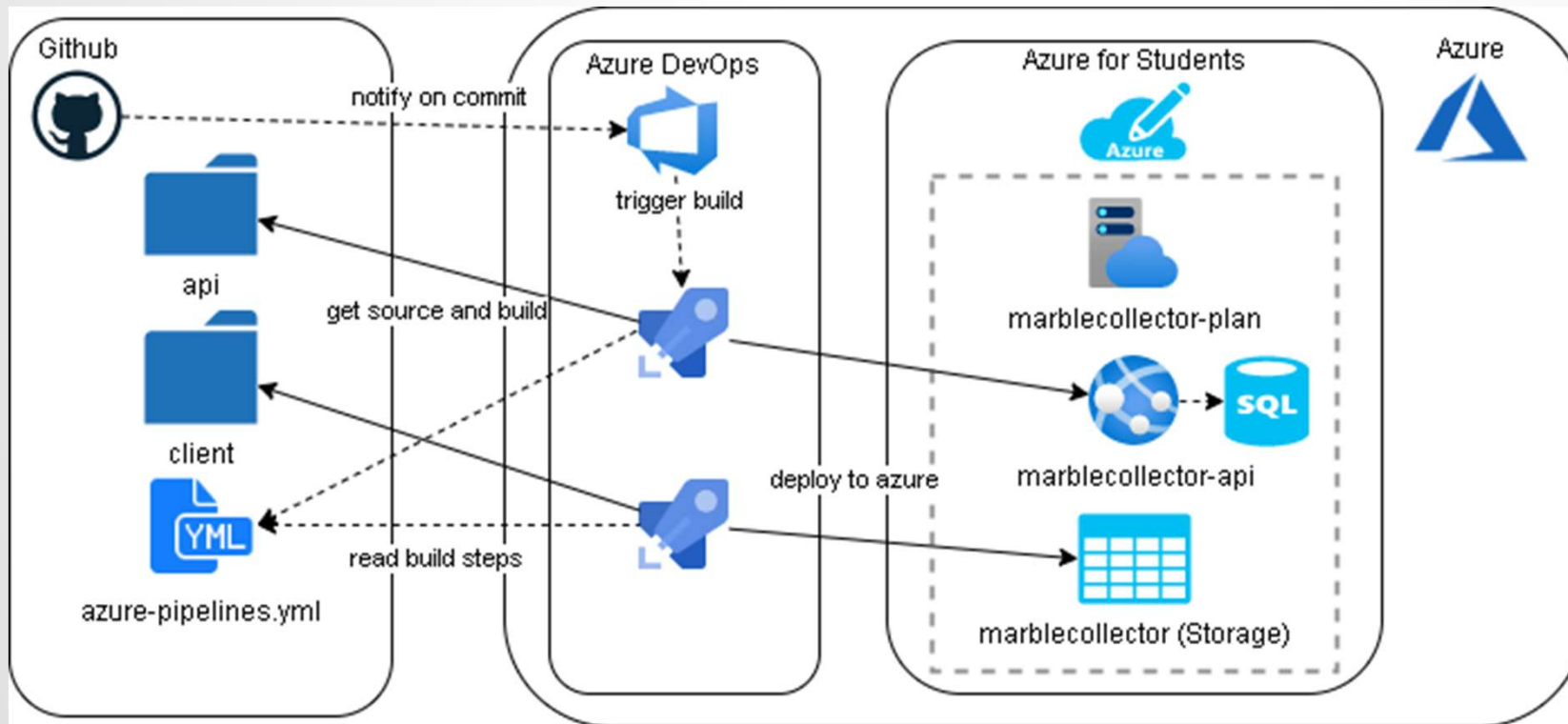
- Github Repository
 - <https://github.com/TashunkoWitko/MarbleCollector>
- Task Management
 - <https://github.com/TashunkoWitko/MarbleCollector/projects/1>
 - OneNote



ARCHITEKTUR

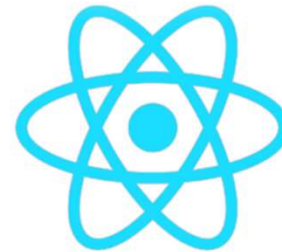


DEPLOYMENT/HOSTING



TECHNOLOGIEN

FRONTEND



React



FORMIK



immer

SignalR



React Query



Axios

MarbleCollector

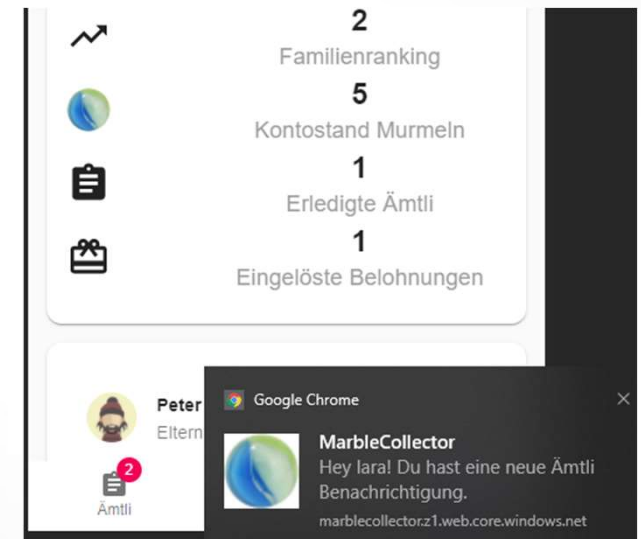
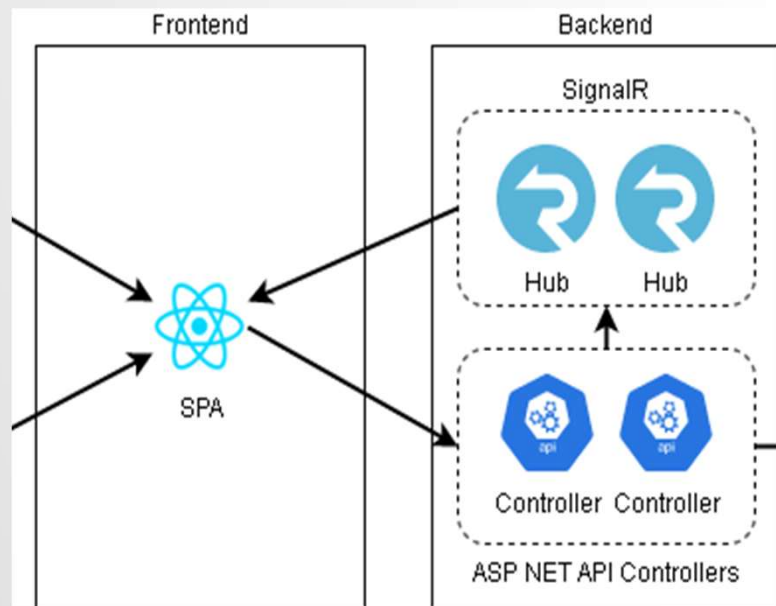
BACKEND



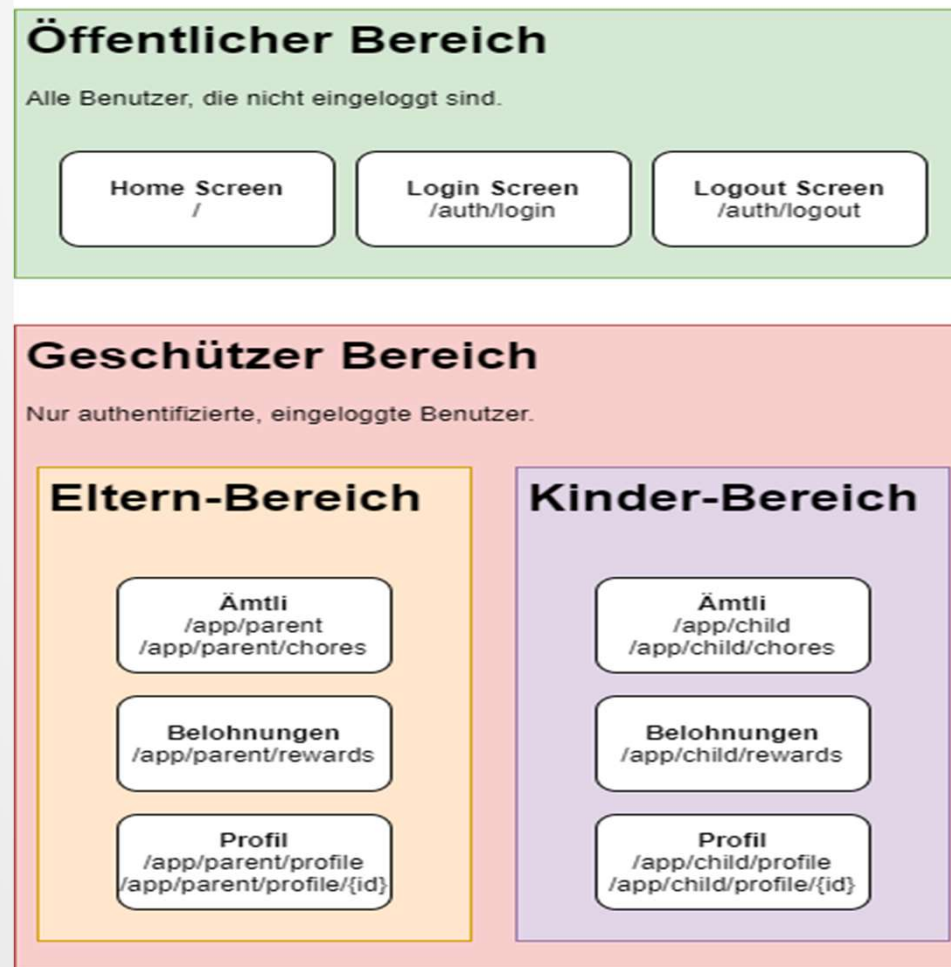
RELEVANTES

SIGNALR/NOTIFICATION

- Nur Server zu Client Kommunikation
- Komponenten abonnieren Events via Hooks
- Komponenten reagieren auf Events -> Notifikation/Daten laden



ROUTING



FAZIT / LESSON LEARNED

- ✓ Viel gelernt in relativ kurzer Zeit
- ✓ Gute Zusammenarbeit im Team trotz Distanz
- ✓ Material UI
 - ✓ Einfach, schnell und attraktiv
 - ✓ Umfangreiche Dokumentation
- ✓ GitHub
 - ✓ Umständlich bei Pull-Requests
 - ✓ Übersichtlichkeit beim Task-Management
- ✓ React
 - ✓ Grosses Ökosystem
 - ✓ Unsere Wahl der Libraries ein Erfolg (Immer, Recoil, React Query)



[AWESOME MARBLE-VIDEO!](#)



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