

Which frontend framework should we use for the subscription management UI

Status	DECIDED
Impact	MEDIUM
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Due date	Nov 22, 2023
Outcome	We use react framework because of the steep learning curve and know-how we have KML internal. Also react is an asset for future job applications of the project team.

Relevant data

- the UI should be available in the public and authenticate same as the web-ui
- the UI should use the public IKOSA API
- the UI should be a standalone component (not integrated with web-ui)
- Function has priority over design

Background

We want to develop a simple IKOSA Subscription management UI to empower our sales staff to do subscription management on their own and retire the SQL scripts we use therefore up to now.

For the development of the UI we need to decide on a frontend framework / technology stack.

Options considered

	Option 1: angular	Option 2: react	Option 3: vue	Option 4: svelte	Option 5: flutter	Option 6: Vaadin	Option 7: Budibase	Option 8: Retool
Description	Build a SPA based on the angular framework using the generated typescript client.	Build a SPA based on the react framework using the generated typescript client.	Build a SPA based on the vue framework using the generated typescript client	Build a SPA based on the svelte framework using the generated typescript client	Build a SPA based on the flutter framework using the generated typescript client	Build a vaadin UI into the user-service	Build a UI with the no-code tool Budibase and connect to our API Use the self-hosted variant to run retool within our service cluster.	Build a UI with the no-code tool Retool and connect to our API. Use the self-hosted variant to run retool within our service cluster.

✓ Action items

★ Outcome

Option 2: We use react framework because of the steep learning curve and know-how we have KML internal. Also react is an asset for future job applications of the project team.