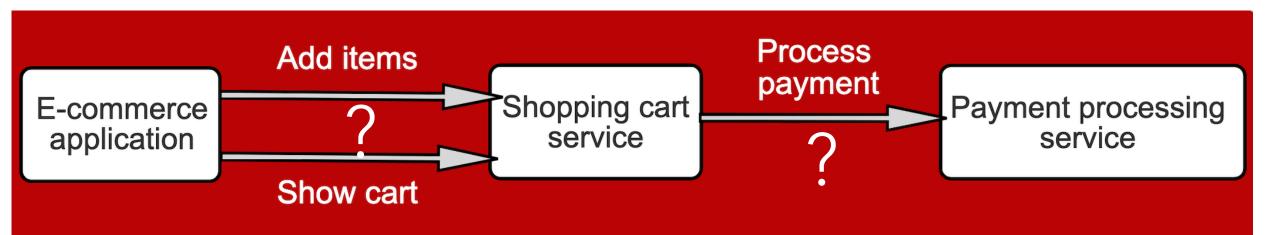


Problem & Opportunity

The Web currently does not support Web applications as well as it could. This is because the Web was initially conceived as a medium for content, not applications.

In particular, there is no module system for Web applications! In other words: no Web-scale micro-frontend technology. For instance, an e-commerce site cannot use a third-party shopping cart service, it must implement the shopping cart functionality by itself.



More generally, the problem we are trying to solve is: how to enhance developer productivity for Web, mobile and desktop applications through new frontend capabilities?

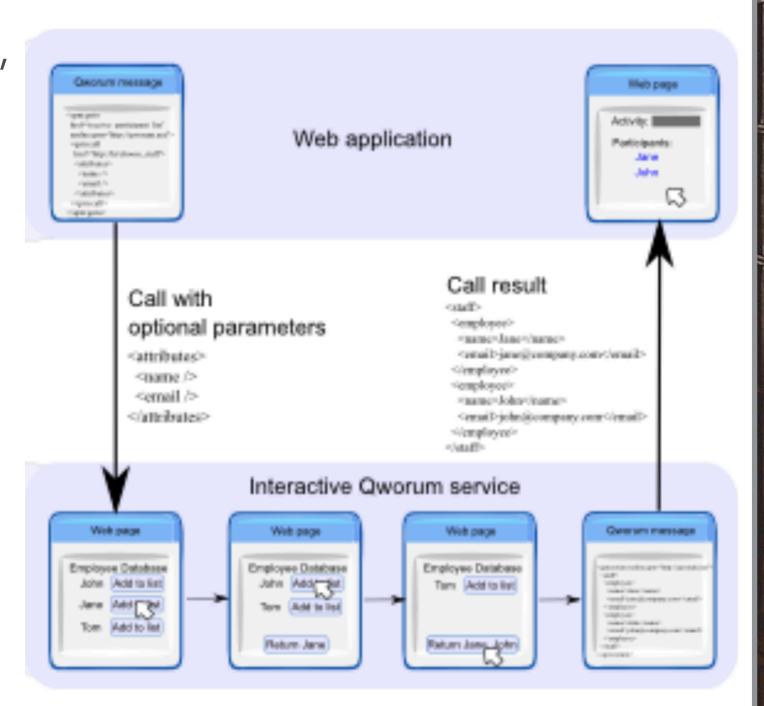
Market size: \$53B (this includes payment processing intermediation).

Value Proposition

Application integration, improved developer productivity, and better user experiences, all enabled by Qworum's module system and module marketplace.

Additional planned features for Web, mobile and desktop applications:

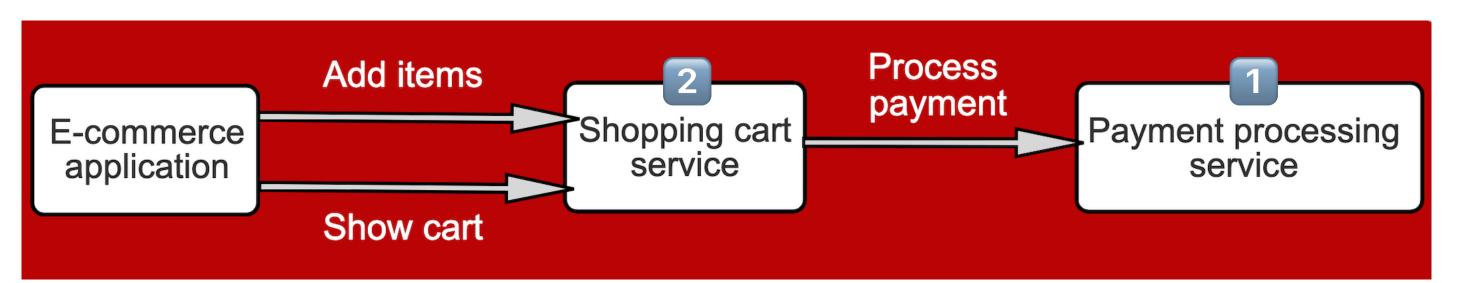
- ► Act as an intermediary for calls to public Web APIs that are available on APILayer and other API marketplaces.
- ► Facilitate fiat and crypto transactions between end-users and applications.
- ▶ User authentication and user data.



The Invention (3)

US patent US8266632B2 has since expired. It only covers cases such as 1 where the called services don't need to share their state between several incoming calls from the same caller. This is for instance the case for a payment processing or user authentication service.

A second (probably patentable) innovation now allows Qworum to also support more complex services such as shopping carts where the called service must share its state between several incoming calls 2. For example, a shopping cart must remember all items that have been added to it, not only the last ones.



Go-to-market plan

- Efficient marketing & sales:
 - Marking to SaaS & web service vendors, so that they sell on our marketplace.
 - Direct enterprise sales.
 - ► Add-ons for cloud hosting services (Netlify Build Plugins...) for gaining visibility.
 - ▶ Bundling agreements with browser vendors.
 - ▶ Integration with low-code Website development tools (Webflow, Wix,...)?
 - ► Integration with other API marketplaces (APILayer...)?

Team



Doğa Armangil Solo founder, CEO, CTO.

- ► EPFL software engineer.
- ► Patent author.
- Project manager.
- ► Browser extension developer.
- ► Mobile, desktop, web developer.
- Software designer & architect.

Future hires:





Team of browser extension developers and Web developers



Sales & marketing





Financials & Metrics

"The most reliable way to predict the future is to create it."

— A. Lincoln

	Year 1	Year 2	Year 3
Sales [CHF]	100K	2M	3.5M
Cost [CHF]	280K	560K	1.4M
Earnings [CHF]	(180K)	1.4M	2.1M
FTE	4	8	20
Applications using payment services through us	1K	15K	50K
Applications using non-Qworum Web APIs through us	500	7K	15K
Qworum service buyers	200	3K	8K