



SAP Customer Experience

SAP Commerce Cloud (Project Spartacus) Introduction to Spartacus



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May 2019

PUBLIC



THE BEST RUN **SAP**

Goals of this Talk

- Introduction to Spartacus
- Benefits to using Spartacus
- Brief overview of 1.0 launch features

*For the super quick overview, see the video *Spartacus in 60 Seconds**

What is Spartacus?

It's a Free JavaScript Storefront for SAP Commerce Cloud



Spartacus
JavaScript
Storefront

*OCC
REST
APIs*



SAP
Commerce
Cloud

English ▾ \$ USD ▾

Find a Store Sale Contact Us Help



Search here...



Sign In / Register



Brands ▾ Digital Cameras ▾ Film Cameras Hand Held Camcorders Webcams Power Supplies Flash Memory Camera Accessories & Supplies ▾



SAVE BIG

On select SLR & DSLR Cameras

SHOP NOW

SAVE BIG ON SELECT CAMERA ACCESSORIES & SUPPLIES

SHOP NOW



COMPACT CAMERAS

Assortment of cool compact Cameras



CAMERA LENSES

Latest pro and consumer Camera Lenses in stock



POWER SUPPLIES

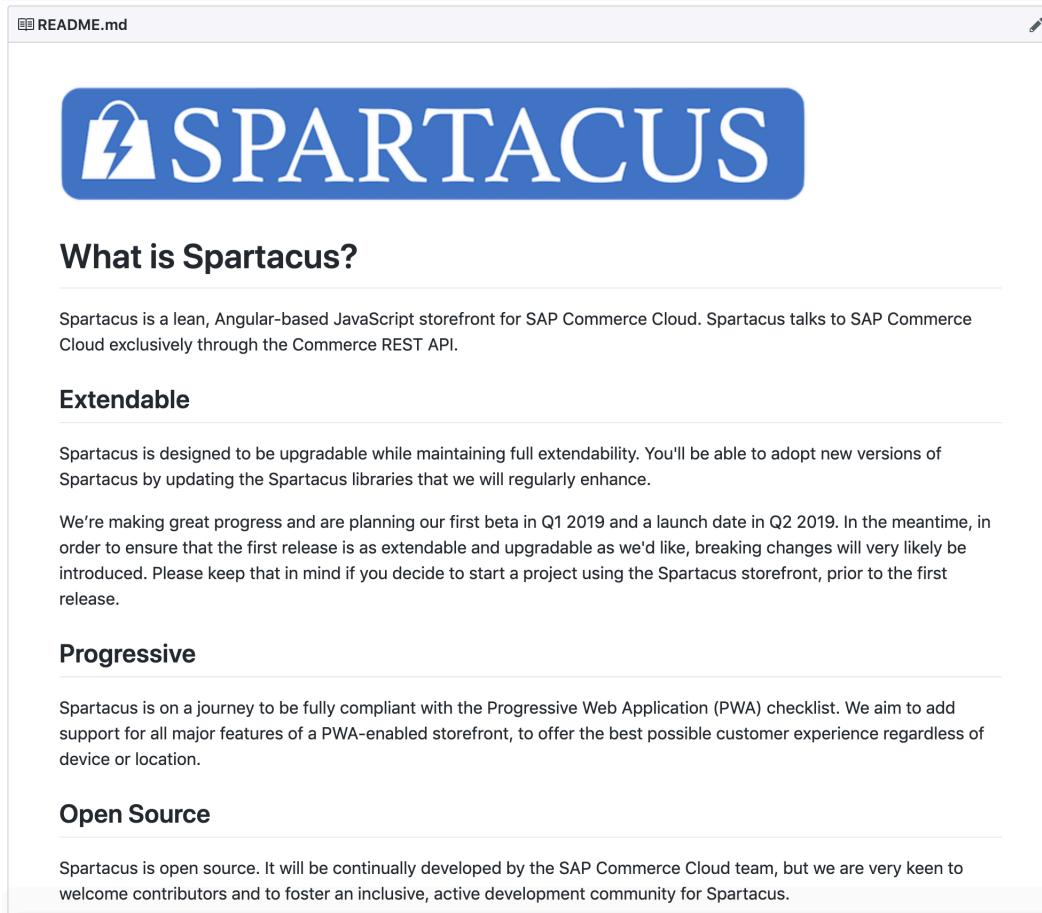
Large assortment of Batteries & Power Supplies



CAMCORDERS

Latest pro and consumer DV Camcorders in stock

It's an Open-Source Project



README.md

SPARTACUS

What is Spartacus?

Spartacus is a lean, Angular-based JavaScript storefront for SAP Commerce Cloud. Spartacus talks to SAP Commerce Cloud exclusively through the Commerce REST API.

Extendable

Spartacus is designed to be upgradable while maintaining full extendability. You'll be able to adopt new versions of Spartacus by updating the Spartacus libraries that we will regularly enhance.

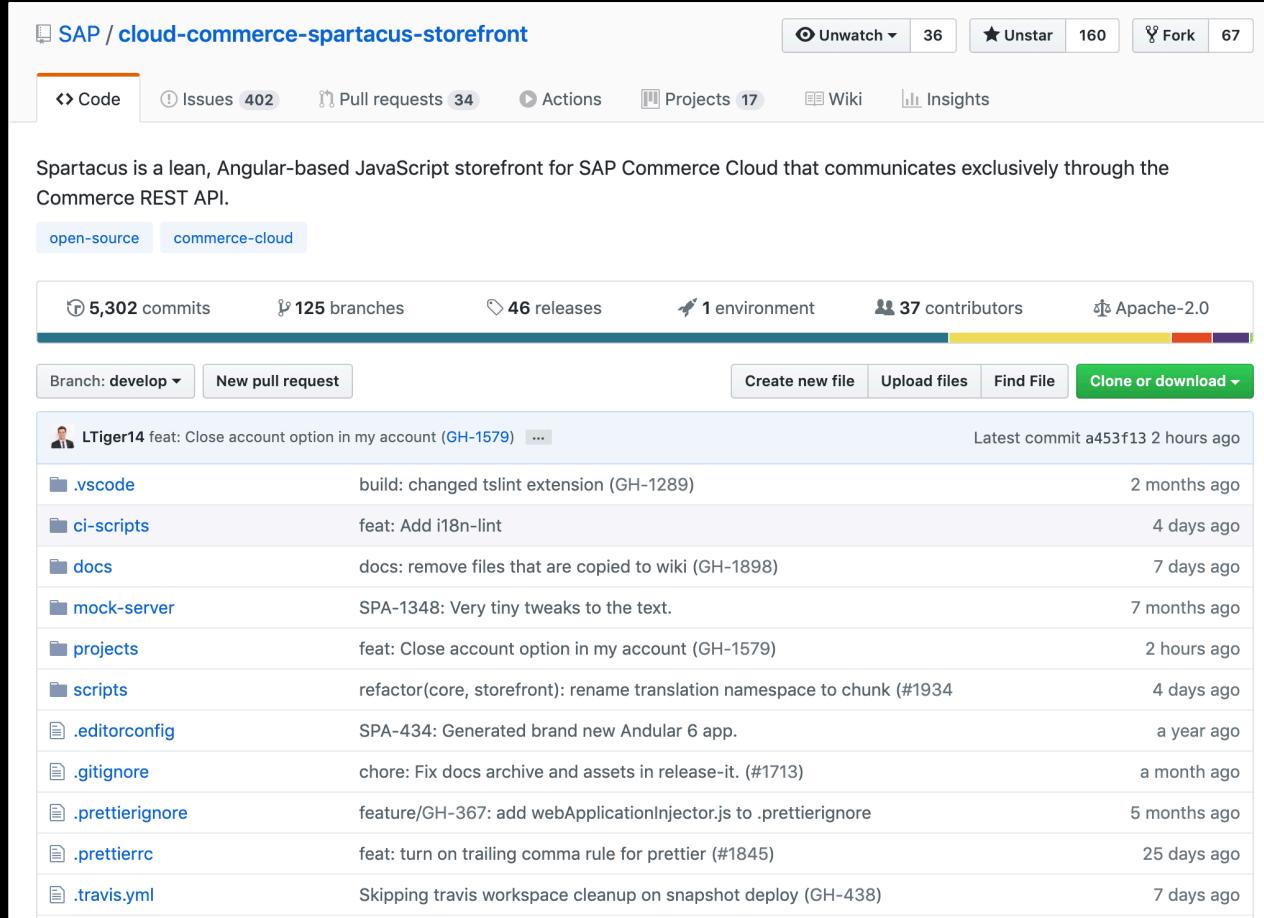
We're making great progress and are planning our first beta in Q1 2019 and a launch date in Q2 2019. In the meantime, in order to ensure that the first release is as extendable and upgradable as we'd like, breaking changes will very likely be introduced. Please keep that in mind if you decide to start a project using the Spartacus storefront, prior to the first release.

Progressive

Spartacus is on a journey to be fully compliant with the Progressive Web Application (PWA) checklist. We aim to add support for all major features of a PWA-enabled storefront, to offer the best possible customer experience regardless of device or location.

Open Source

Spartacus is open source. It will be continually developed by the SAP Commerce Cloud team, but we are very keen to welcome contributors and to foster an inclusive, active development community for Spartacus.



SAP / [cloud-commerce-spartacus-storefront](#)

Code Issues Pull requests Actions Projects Wiki Insights

Unwatch 36 ★ Unstar 160 Fork 67

Spartacus is a lean, Angular-based JavaScript storefront for SAP Commerce Cloud that communicates exclusively through the Commerce REST API.

open-source commerce-cloud

5,302 commits 125 branches 46 releases 1 environment 37 contributors Apache-2.0

Branch: develop New pull request Create new file Upload files Find File Clone or download

LTiger14 feat: Close account option in my account (GH-1579) ... Latest commit a453f13 2 hours ago

.vscode build: changed tslint extension (GH-1289) 2 months ago

ci-scripts feat: Add i18n-lint 4 days ago

docs docs: remove files that are copied to wiki (GH-1898) 7 days ago

mock-server SPA-1348: Very tiny tweaks to the text. 7 months ago

projects feat: Close account option in my account (GH-1579) 2 hours ago

scripts refactor(core, storefront): rename translation namespace to chunk (#1934) 4 days ago

.editorconfig SPA-434: Generated brand new Andular 6 app. a year ago

.gitignore chore: Fix docs archive and assets in release-it. (#1713) a month ago

.prettierrc feature/GH-367: add webApplicationInjector.js to .prettierrc 5 months ago

.prettierrc feat: turn on trailing comma rule for prettier (#1845) 25 days ago

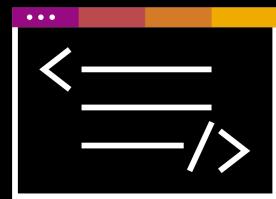
.travis.yml Skipping travis workspace cleanup on snapshot deploy (GH-438) 7 days ago

github.com/sap/cloud-commerce-spartacus-storefront

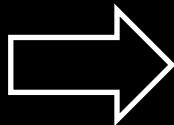
It's a Set of Libraries

You use these libraries to create YOUR storefront app

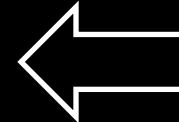
O1O11
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Published
Spartacus
Libraries



Your Custom
Features and
Styling



Products and
CMS fetched
as needed
from backend

It's a Single-Page Application

First page loads once, the rest is driven by code

Only load the parts of the page that require updating

Inherent performance and user experience benefits

Search indexing / SEO still supported (through SSR)

It's Coming Soon!



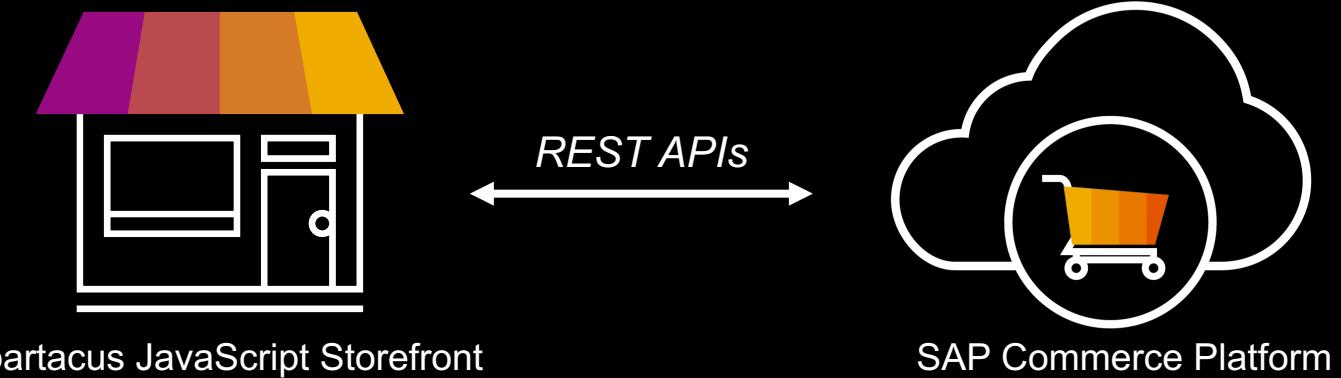
**1.0 Launch
June 2019**

Pre-release development libraries available now

Frequent updates will follow

Why use Spartacus?

Spartacus allows you to quickly create a fast and engaging PWA storefront for SAP Commerce Cloud, resulting in a delightful customer experience that increases conversion and revenue



You could create your own JavaScript storefront from scratch
... but Spartacus is a great jump-start

Benefits of Spartacus

- Upgradable
- Configurable
- Extendable
- Decoupled, scalable
- Many out-of-the-box features
- Fast to develop for
- PWA (Progressive Web App)
- SEO
- CMS-driven, SmartEdit support
- Builds with CCv2
- Frequent updates

Upgradable

Spartacus delivered and consumed as upgradable libraries

- Upgrades under your control, during development
- Contract-based architecture ensures compatibility
- Semantic versioning used

1 . 2 . 3

MAJOR MINOR PATCH

Configurable

Configuration features available at launch

- Styling
- Routing
- Site context
- Localization

Contract-based to maintain upgradability

Extendable

Extendability features available at launch

- Styling
- Add custom features
- Hide Spartacus features
- Extend component business logic

Contract-based to maintain upgradability

Out-of-the-“box” look and feel

You configure and extend as little or as much as you wish

Products and content pulled from backend or CMS systems

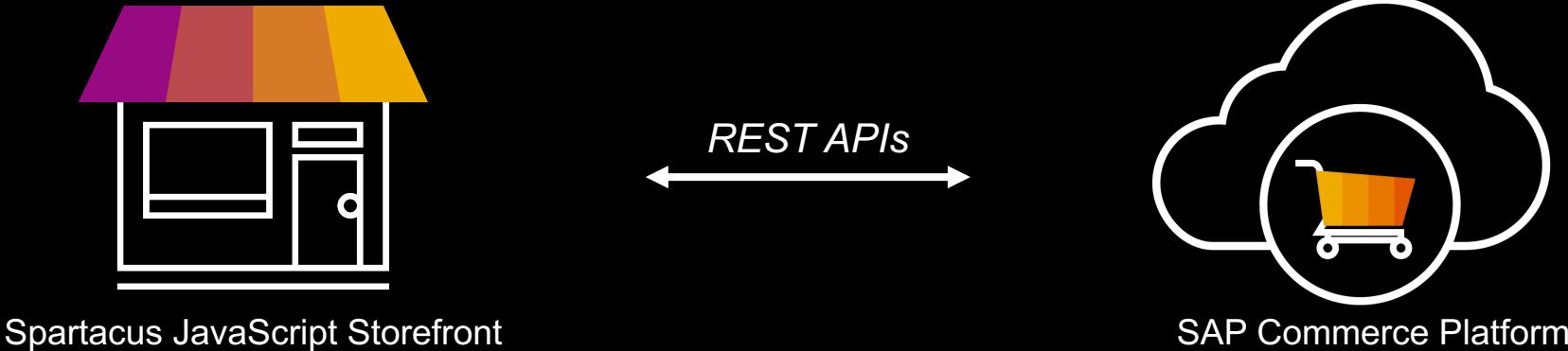
The screenshot shows a SAP commerce website for camera accessories. At the top, there's a navigation bar with links for English, \$ USD, Find a Store, Sale, Contact Us, Help, Sign In / Register, and a shopping cart icon showing 0 items. The main header features the SAP logo and a search bar with placeholder text "Search here...". Below the header, a large banner for SLR & DSLR cameras has a "SAVE BIG" offer. A sub-section below it for camera accessories also features a "SAVE BIG" offer. The page displays four categories: Compact Cameras, Camera Lenses, Power Supplies, and Camcorders, each with a thumbnail image and a brief description. Below these is a section titled "Our Bestselling Products" featuring four digital cameras: Photosmart E317, DSC-N1, NV10, and Cyber-shot W55, each with its name, a small image, and price.

Product	Description	Price
Photosmart E317 Digital Camera	Cyber-shot 7.2 MP Digital Camera	\$114.12
DSC-N1	Sony Cyber-shot DSC-N1 10.1 MP Digital Camera	\$485.57
NV10	Samsung NV10 14.2 MP Digital Camera	\$264.69
Cyber-shot W55	Sony Cyber-shot W55 14.1 MP Digital Camera	\$260.87

Decoupled, So: Scalable

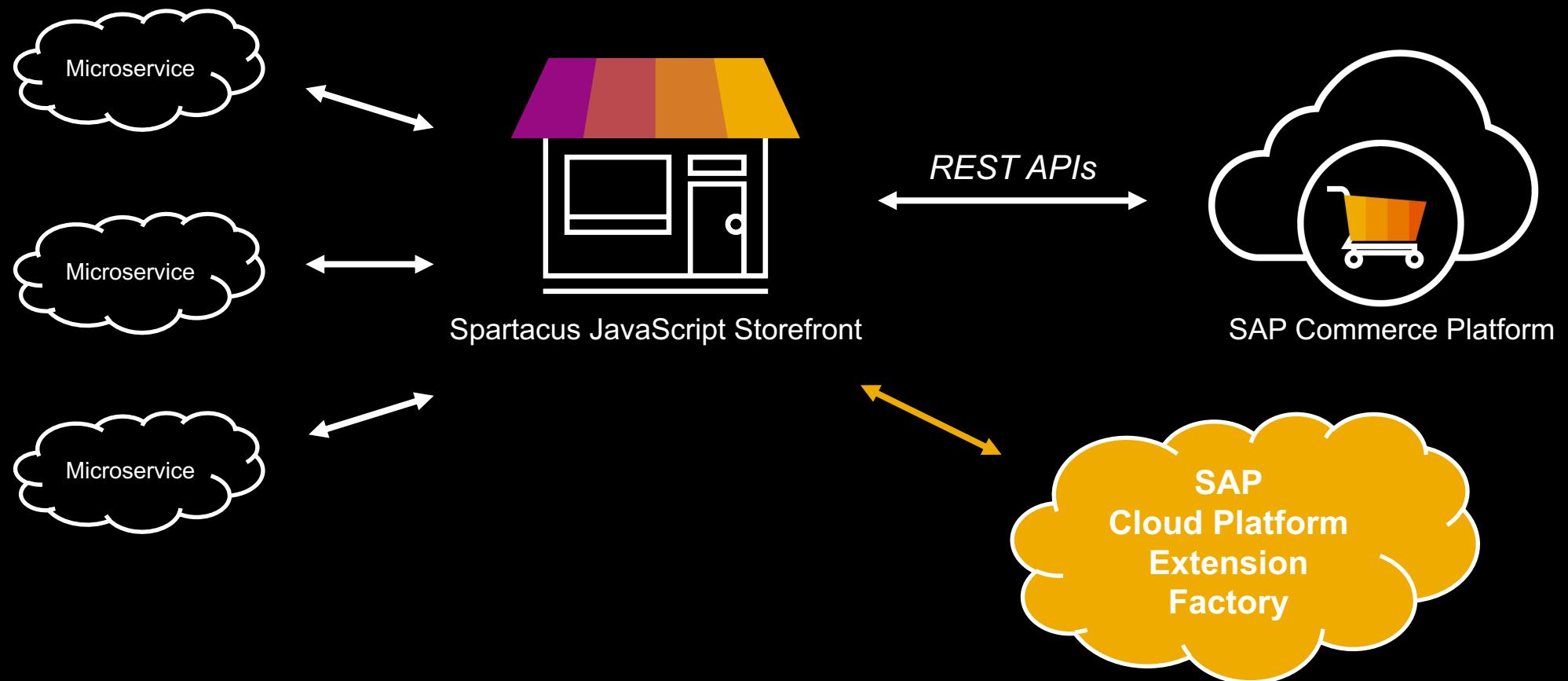
Spartacus is decoupled from platform

- Scale Spartacus frontend servers independently of the platform
- Update the Spartacus frontend independently of the platform
 - Refresh your site more often and more easily



Decoupled, So: Flexible

Use any API-based micro-services



Many Out-of-the-Box Features

Customer-facing

- Home
- Search
- Product details
- Registration
- Checkout
- Orders
- Account

Architectural

- Responsive design
- CMS-driven
- SmartEdit-editable
- SSR
- SEO
- Routing
- Site context
- Localization

See Spartacus 1.0 Launch video and topic-specific videos for more details

The image displays two screenshots of the Spartacus 1.0 web application. The top screenshot shows a search results page for "camera" with 144 results. It features a banner with a camera and three framed photos. The bottom screenshot shows a checkout page for 3 items, including shipping and payment details, and a cart summary with three items: Photosmart E317 Digital Camera, Camileo S10 EU, and LEGRIA HF S100.

Home
144 results for "camera"

GET THE **PERFECT PICTURE** EVERYTIME WITH A DIGITAL SLR CAMERA

Stores

- Chiba (79)
- Choshi (73)
- Fukuoka Best Western Fukuoka Nakasu Inn (81)
- Fukuoka Canal City Fukuoka Washington Hotel (72)
- Fukuoka Hilton Fukuoka Sea Hawk (78)
- Fukuoka Hotel Monterey La Soeur Fukuoka (73)

Show more...

Relevance

1 2 3 ... 15 »

Home
Checkout 3 items

1. Shipping Address > 2. Shipping Method > 3. Payment > 4. Review

Order Summary

Subtotal:	\$2,189.72
Estimated shipping:	\$14.49
Discount:	\$20.00
Sales Tax:	\$104.27
Total:	\$2,189.72

Buy over \$200.00 get \$20.00 discount on cart

I am confirming that I have read and agreed with the [Terms & Conditions](#)

Place Order

Back

Cart total (3 items): \$2,189.72

DESCRIPTION	ITEM PRICE	QTY	TOTAL
Photosmart E317 Digital Camera ID 300938	\$114.12	1	\$114.12
Camileo S10 EU ID 1776948	\$146.88	1	\$146.88
LEGRIA HF S100 ID 1986316	\$1,934.23	1	\$1,934.23

Fast to develop for, fast time to market

JavaScript application development inherently faster

- Angular even faster
- Built-in features help kickstart your storefront
- Global style variables make customization easy

Release new storefronts as often as you want

- Because it's decoupled and hosted on a different server node
- Release independently of platform

PWA – Progressive Web App

Reliable, fast, engaging

Several PWA features at launch, with more to come

- Add to Home
- Use of responsive design
- Works cross-browser
- Each page a URL (for indexing) (because of SSR)
- Cache-first networking (shell app to start)
- First load fast (because of SSR)
- Indexing features
- Social metadata
- Use of service workers
- Built for future PWA features

SEO

Search indexing supported, despite being a single-page app

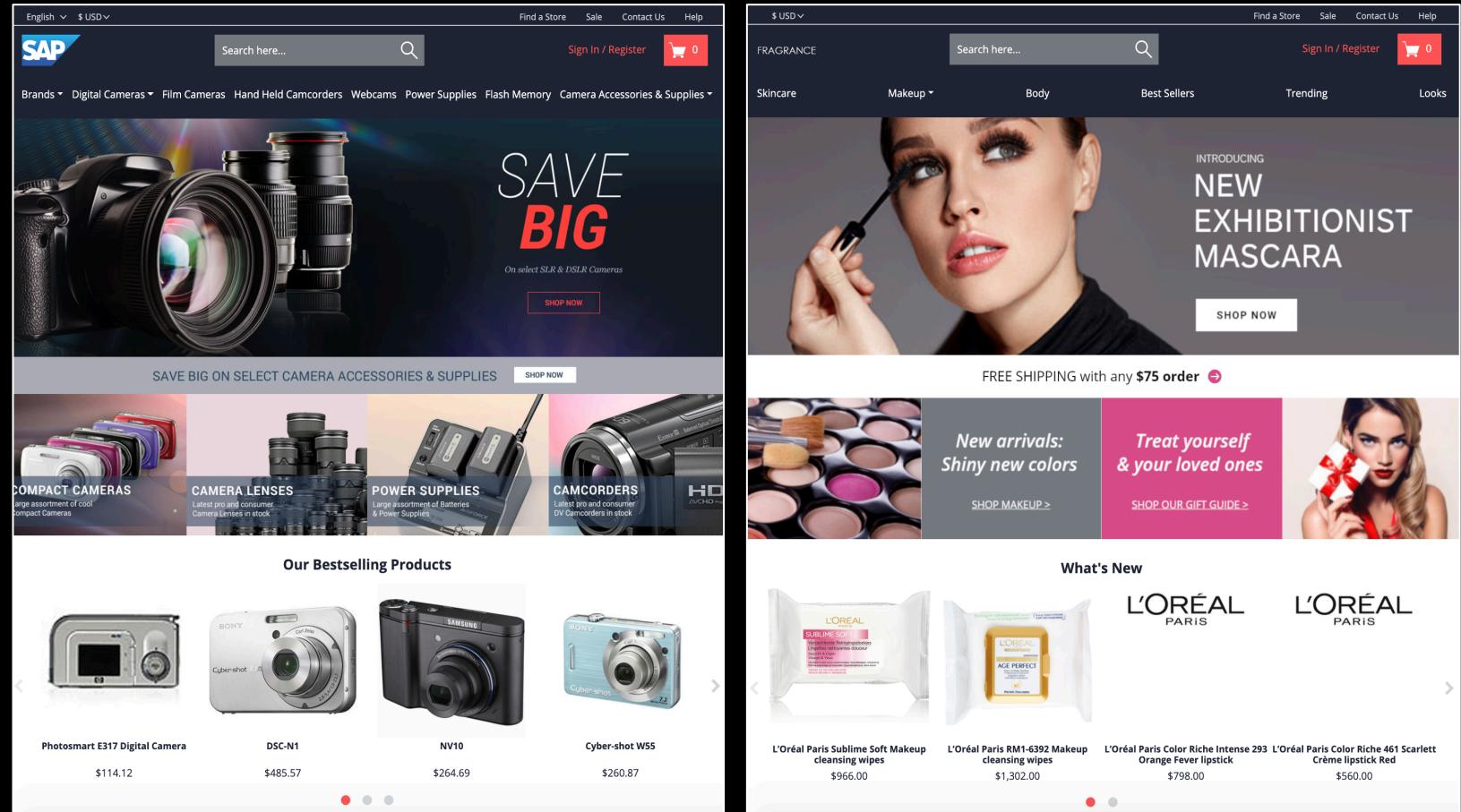
- URLs are controlled by the app
- Server-side rendering (SSR) delivers full pages to web crawlers
- SSR also boosts time-to-view performance for first load

SEO meta tags supported

- noindex,nofollow
- og:graph for social sharing
- Page title and description reflect product information
- More to come

CMS-driven

- Layouts, content driven by CMS data provided by backend
- SmartEdit-editable (1905)
- CMS business logic extendable
- CMS components can be replaced with custom component



Builds with Commerce Cloud v2

Uses existing production environment – it's just another tier

SSR support scheduled for Q3 2019

Frequent Updates

New releases every 2 weeks

- New features
- Improvements
- Bug fixes

New major release expected ~6 months after 1.0 launch

See Upgradability and Roadmap videos

Delightful, Responsive User Experience

Responsive

- Speedy user interface
- Layout adjusts to different screen sizes
 - Out-of-the-box: mobile, tablet, desktop, wide-desktop

Being a PWA contributes to an increase in:

- Conversion
- Revenue
- Time spent
- Engagement

See pwastats.com for success stories

It's Free*!

Spartacus available as open source under Apache v2 license

- Just use it – no license to sign
- Not for sale – no product on SAP price list

Libraries published on npmjs.com

- To maintain upgradability, use the libraries

**SAP Commerce Cloud platform not included*

Summary

- Spartacus is built for SAP Commerce Cloud
- There are many benefits to using Spartacus
- Spartacus 1.0 launch is scheduled for June 2019, following the release of SAP Commerce Cloud 1905
 - New releases every 2 weeks
 - Available to try now
- Spartacus architecture is built for the future
- It's free!*

**SAP Commerce Cloud platform required*

Thank you

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For Spartacus information and documentation:

github.com/SAP/cloud-commerce-spartacus-storefront/wiki