

‘tea’

the ebook alternative

TeaBook Open Reader

W3C Developer Meetup

29 October 2012 – Lyon

Cultura

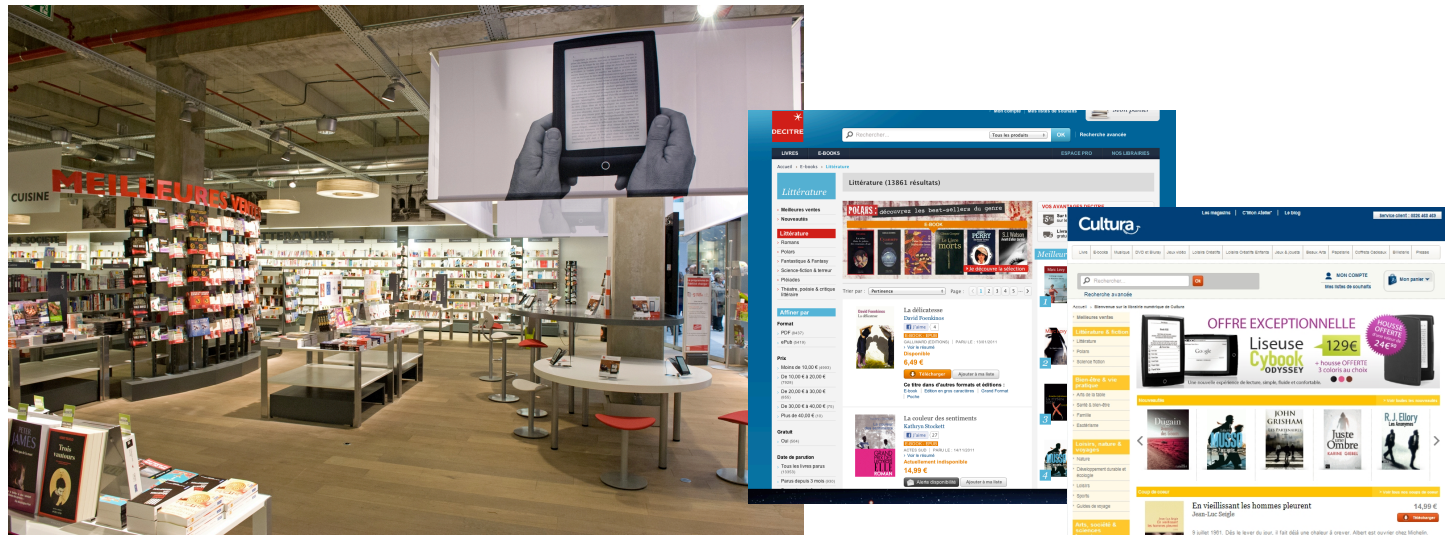


Smile
OPEN SOURCE SOLUTIONS
France



Empowering bookstores – Who is TEA ?

- empowers booksellers, distributors and online retailers to use their expertise in distribution, marketing and interacting with e-readers, giving them an innovative, ergonomic and competitively-priced solution
- Cultura and Decitre, > 60 brick and mortar stores



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Time for demo – Native or web app ?

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Bienvenue sur le site

Trier par : Titre

TeaBook open reader est notre vision de la lecture de livres électroniques sur ordinateurs et tablettes. Plutôt que de créer une application native pour chaque appareil et chaque système d'exploitation, nous avons élaboré une unique application utilisable dans un navigateur récent, sans prérequis à installer.

Parce que c'est notre vision du partage que nous ne croyons pas dans l'enfermement des lecteurs, nous privilégions le développement. Nous espérons qu'il sera amélioré, diffusé, et que de nouveaux lecteurs l'approprient.

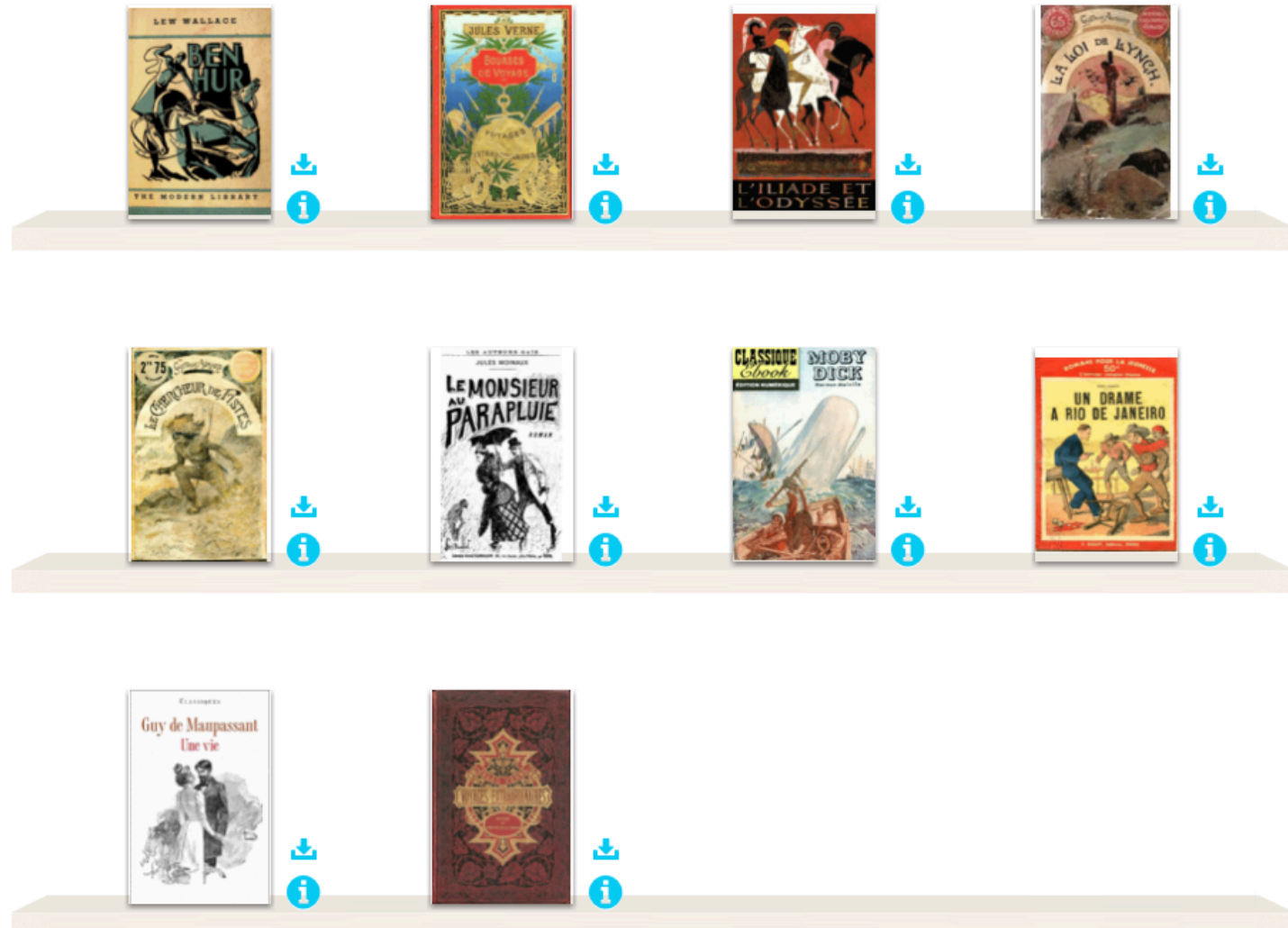
TeaBook open reader est :

- une **application web** permettant d'accéder hors ligne depuis tous les appareils (ordinateurs, tablettes incluses), indépendamment des systèmes d'exploitation, et offrant une lecture fidèle des livres numériques ePub
- une **application ouverte** permettant à des tiers d'enrichir les possibilités offertes aux lecteurs, de créer de nouveaux usages et de favoriser un écosystème ouvert de livres numériques




L'équipe TEA, The Ebook

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L'application est partagée suivant la [licence](#) Creative Commons. Elles sont requises par les éditeurs.



The real comparison

	 	
Working off line	✓	✓
Touch / mobile user interface	✓	✓
Exceptional performance	✓	ⓘ
Discoverable in the embedded app store	✓	✗
One application fits all devices	✗	ⓘ
Play without prior installation	✗	✓
Connect with simple links	✗	✓
Updates instantly	✗	✓
No 30% fee to Apple/Amazon/Google	✗	✓
No censorship, no arbitrary rules Conditions won't change in future	✗	✓

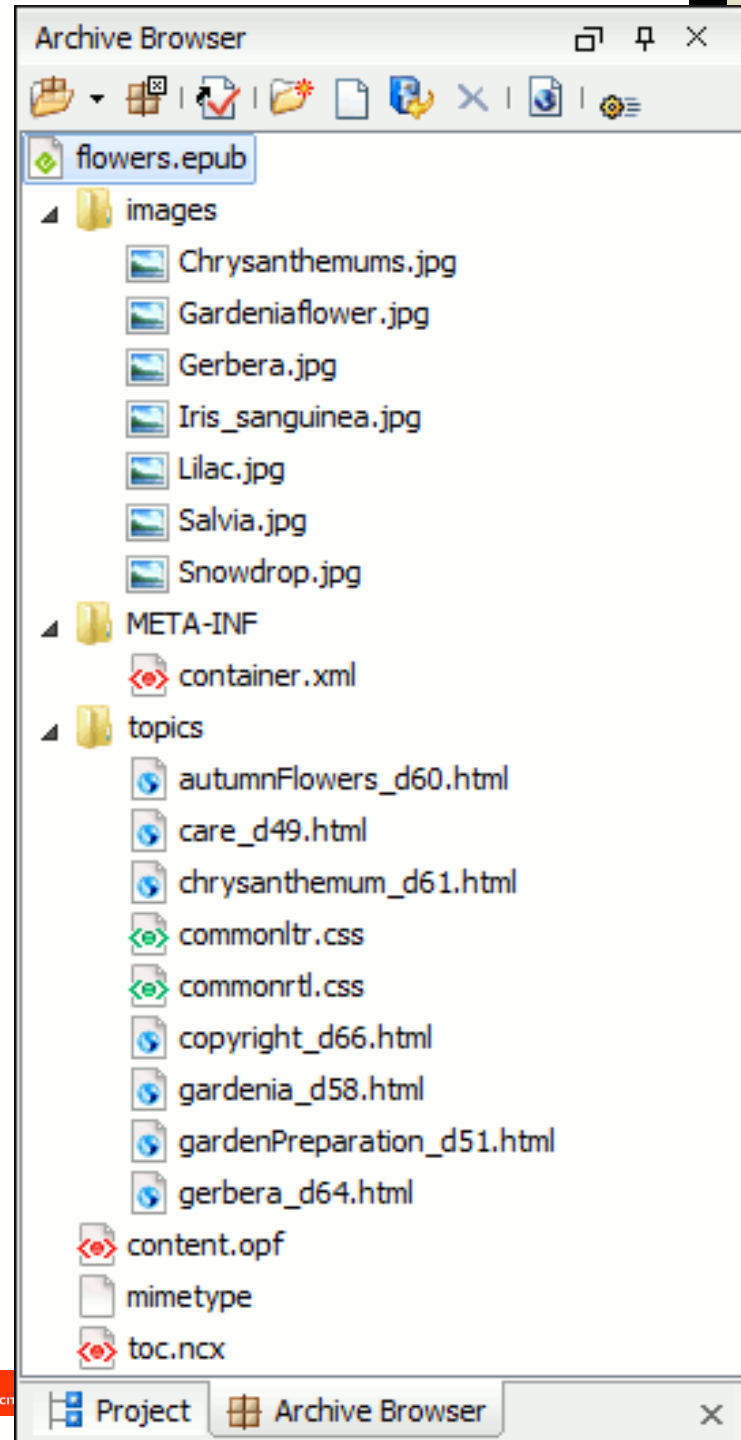
EPUB is « web inside »

IDPF open standard

- Supported by every reader (except Amazon/Kindle)

A website inside a zip file

- HTML + CSS + Javascript + images and video
- Broken in chapters/files
- With XML metadata (toc, title, ...)



No prior installation

No installation

- Installation **is** complex for most people
- Everyone already have a browser (even your fridge)

Simple link at the end of checkout

- From your bookseller account
- Follow a link, you're started

Updatable many times a week

A big difference

No terms from a third party to agree upon

- No 30% commission to pay to Apple/Google
- No publication delay at each update
- No censorship, no arbitrary rules
- Being a direct concurrent of Apple ? No problem
- Conditions won't change in the future

“Today they censor nipples, tomorrow editorial content.”

this was yesterday ...

All (web) devices



PC, Mac, iPad, Android tablet...

- iPad was the main problem, now OK
- Smartphones in future
- Even your fridge or your TV

« all modern browsers »

- iPad and Chrome are finished for this first demo
- Huge amount of work to support everyone

Open one time, read offline the next time

- Your web browser does not need Internet
- Thank you HTML 5 : appcache, localStorage, indexedb

Easy for user, complex for developers

- Storing data in browser is easy
- Storing linked content is not easy
- Dealing with the browser quota
- Preloading



Few things where/are very difficult

| How to

- do reliable pagination ?
- Have bookmarks ?
- « Protect »/DRM content if the publisher ask for it ?
- Ensure good performance ?
- Ensure security (isolation between content and app) ?
- Store very large video ?

| With

- Dynamic content (javascript, animation)
- Untrusted content
- Fast performance

Open source, Now

| GPL, now, on github

- github.com/TEA-ebook/ - online demo available

| Next ?

- Better EPUB 3 support : Footnotes, comics, complex javascript, ...
- Cross browser compatibility : Firefox, Opera, ...
- Mozilla Market Place
- *[insert your contribution here]*

| Waiting for you

- Libraries, Universities, Companies
- Help us opening the book world

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| Reading ebooks, with ereaders

- Lighter, smaller, more easy to carry with you at all time
- No need to take 4 or 5 books in holidays
- Easy to buy, no need to find an open

| Content

- Hypertext
- Animations
- Search
- ...



Building on the vision of an open and transparent book market

Let readers read, handle and comment on their digital books where they want, when they want, and how they want, independently of any distributor or reading device.

- the ebook reader's manifesto

<http://www.tea-ebook.com/manifeste>

Same capacities

| Today, with a web app

- **Touch / mobile user interface**
- Storing local data
- **Working off line**
- Using a database
- Using local files
- Geolocalization

| Tomorrow (not yet)

- Notifications
- Contacts
- Calendar
- ... Firefox OS

Amazon cloud reader & Kobo instant reader

- For Amazon and Kobo books, walled gardens

Readium

- Project from IDPF
- Open Source
- Great EPUB 3 support
- Chrome extension, not device independant

Many other online readers

- No offline support
- Generally not « as designed by the publisher »
- Generally not open source

Digital reader manifesto

<http://www.tea-ebook.com/manifeste>

| Readers shall have access to the most comprehensive catalogue possible (choice)

| Ebooks shall be readable on any device (portability)

| Readers shall buy books from the bookseller of their choice (interoperability)

| Readers shall read in a way that suits them (ergonomics/usage)

| Readers shall choose what they share and with whom (privacy)

| Readers shall retain ownership of their work (research, literary criticism)

| Readers shall organise their library to their own taste (and keep all their books with them, wherever they go)

| Readers shall be guaranteed access to their own library

| There shall be freedom to develop new usage modes