



Project Weekly Call III – 4.02.2020

Contents



- 1. Project Milestone
- 2. Functional Requirement
 - Technology Components
 - Application Architecture
- 3. Non Functional Requirement
- 4. Challenge
- 3. Wireframe
- 4. Demo
- 5. Next Iteration
- 6. References

Project Milestone



Project Tracker:

https://jazz.net/jts/dashboards/18508/tab_2

PJ AWT - Timeline

Interoperable PWA for Media Playback

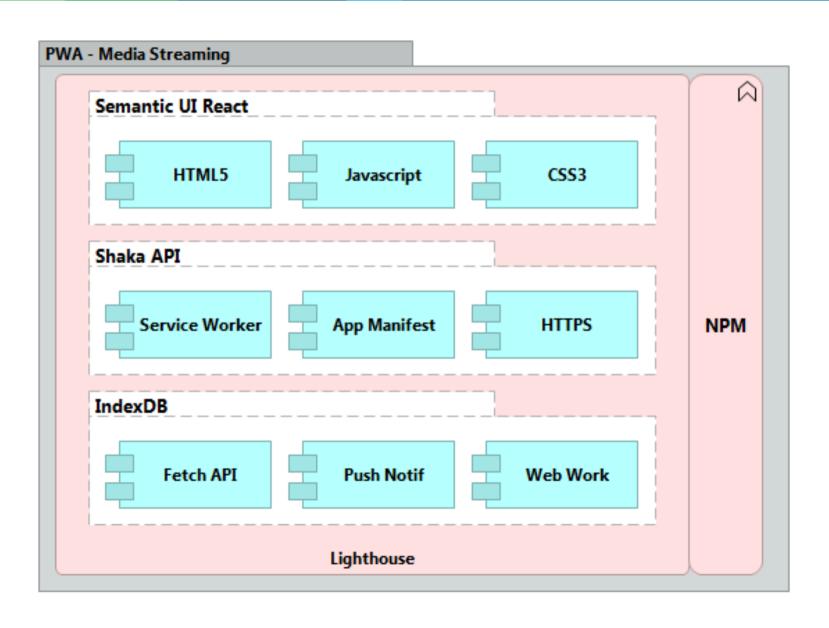
													Pr	oject	Leng	th											
Activity		Oct-19				Nov-19				Dec-19				Jan-20				Feb-20				Mar-20				Apr	
		W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W 4	W1	W2	W3	W4	W1	W2	
PWC - Project Weekly Call																											
Requirement																											
Development - Sprint 1																											
UI/UX																											
Integration																				T	_			مام	4.		
SIT																				_		o L					
Development - Sprint 2																				•		28.0	02.2	202	0		
UI/UX Hybrid (Web & Mobile)																					7						
Shaka Advanced Integration																					7	1					
UAT																				7	_						
Product Documentation																											
Go Live																				•)							

Schedule PWC and Current Execution Stage

PWC DEV PRD

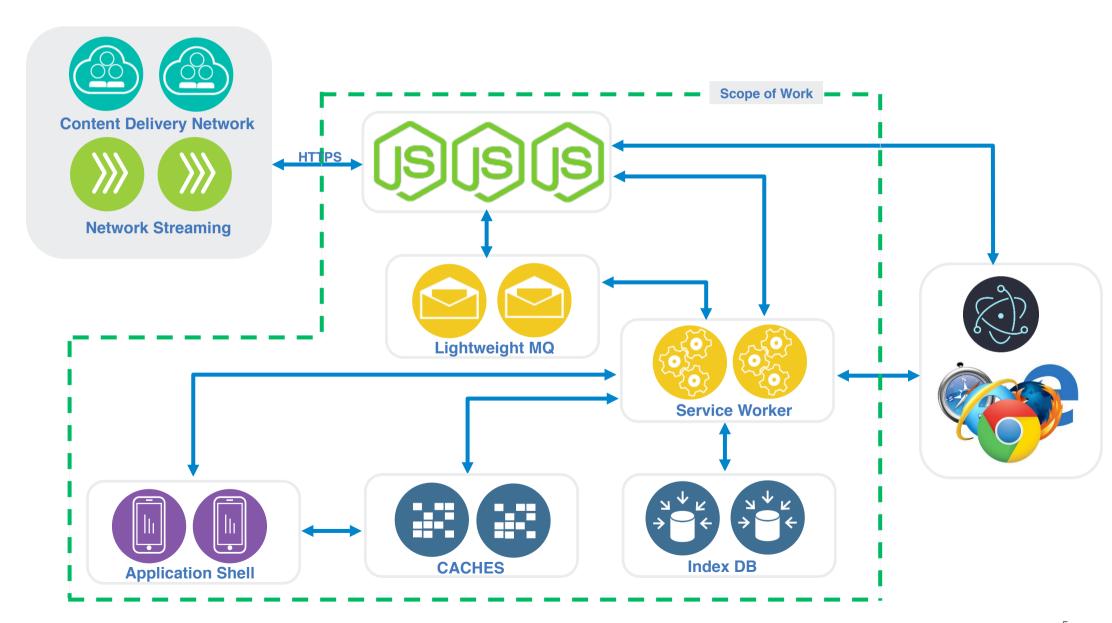






PWA Architecture - recap





NFR



01	Browser	 MS Edge MS IE Google Chrome Mozilla Firefox Opera Browser
02	Web Storage	 IndexDB Local storage Data cache
03	Network Bandwidth and Security	 Device-agnostic : mobile / desktop Network-agnostic: offline / online

Project Challenge



Metadata Web Push Performance

❖Corrupt content metadata which will impact the UX behaviour (e.g.: Missing Subtitle)

- Browser push work with server dependency
- Requires full browser to be running to receive messages.

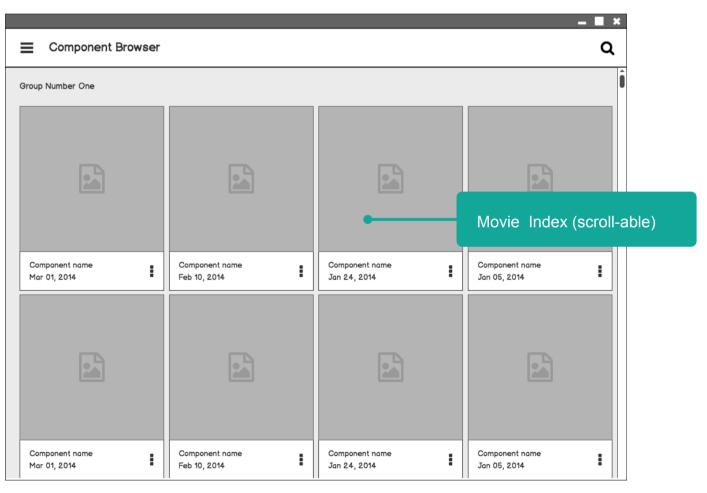
- Fine-tuning the performance
- Storage requirement: partial support in IE 10 & 11 and Edge does not support IndexedDB inside blob web workers.

Wireframe (Electron)



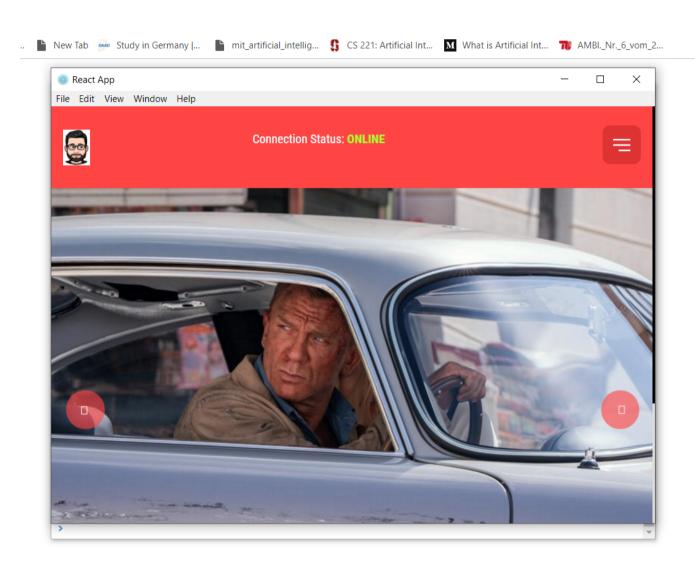
Screenshot wireframe for our project

- 1. Homepage with hamburger menu
- 2. Movie Playlist (online)
- 3. Downloaded Page (offline)
- 4. About us



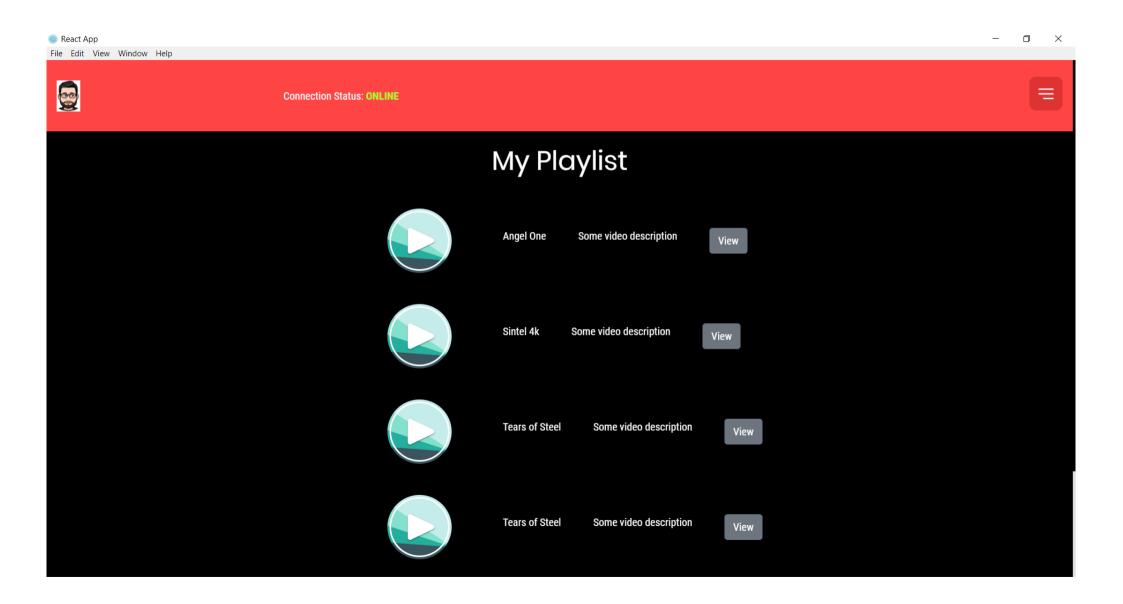






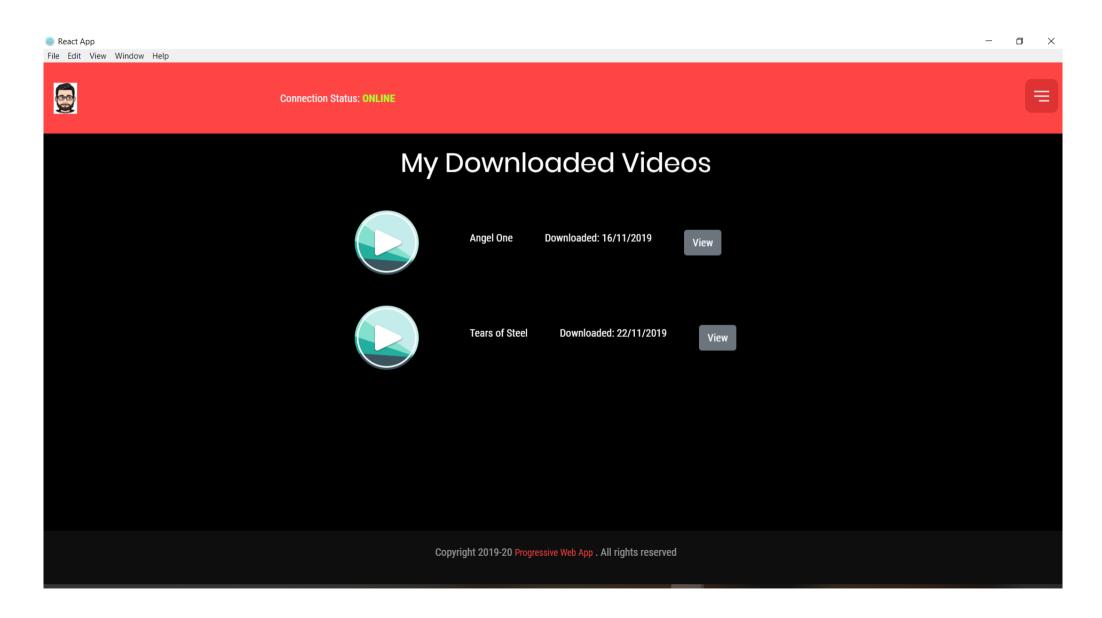






Downloaded Page



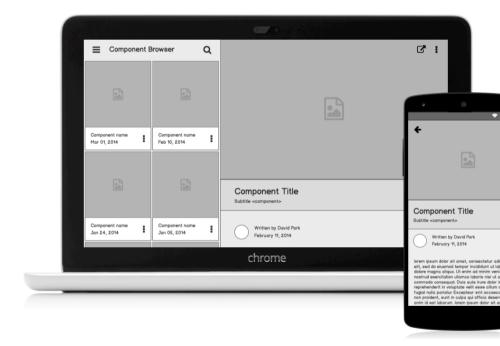


Demo



http://127.0.0.1:9000/

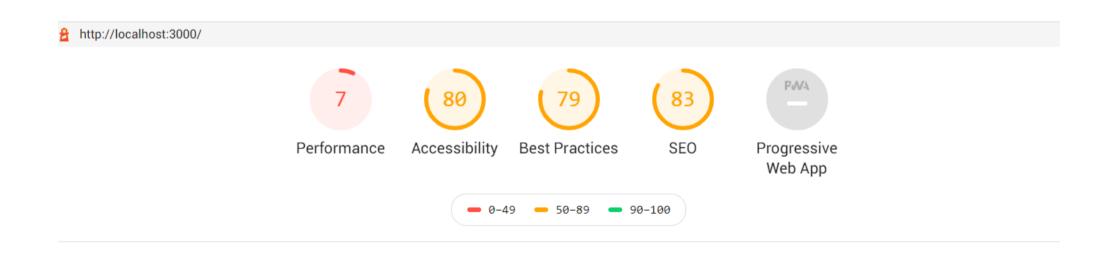
http://127.0.0.1:3000/



Next Iteration



- Application improvement
- Product documentation
- User acceptance test (UAT)



Reference



- 1. Google PWA https://developers.google.com/web/ilt/pwa/introduction-to-progressive-web-app-architectures
- 2. Biørn-Hansen, A., Majchrzak, T. A., & Grønli, T. M. (2017). Progressive web apps: The possible web-native unifier for mobile development. WEBIST 2017 Proceedings of the 13th International Conference on Web Information Systems and Technologies, (Webist), 344–351. https://doi.org/10.5220/0006353703440351
- 3. Gove, Jenny, Heilmann Chris, Dutton Sam, Clark Sarah, Kurtuldu Mustafa, Warrender Ryan, Cassells Shane, Demidova Olga, A. C. (2018). Progressive Web Apps The Future of the Mobile Web.
- 4. Steiner, T. (2018). What is in a Web View. 789–796. https://doi.org/10.1145/3184558.3188742