



PJ Advanced Web Technology Interoperable PWA for Media Playback

Project Weekly Call II – 17.12.2019

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

Project Milestone

Project Tracker:

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

PJ AWT - Timeline

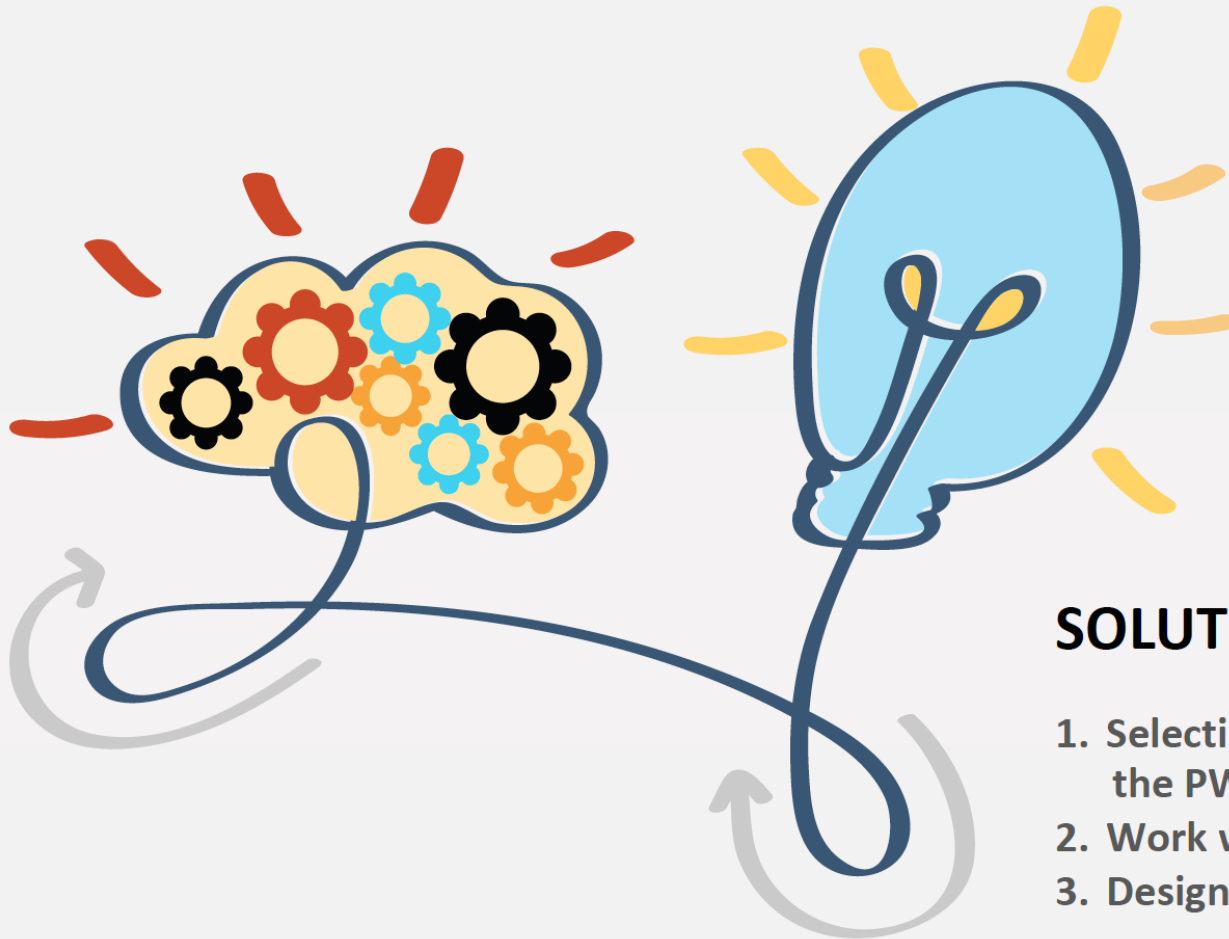
Interoperable PWA for Media Playback

Activity	Project Length																											
	Okt 19				Nov 19				Dez 19				Jan 20				Feb 20				Mrz 20				Apr			
	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2		
PWC - Project Weekly Call																												
Requirement																												
Development - Sprint 1																												
UI/UX																												
Integration																												
SIT																												
Development - Sprint 2																												
UAT																												
Go Live																												

Schedule PWC and Development Stage

Go Live date
28.02.2020

PWC
DEV
PRD



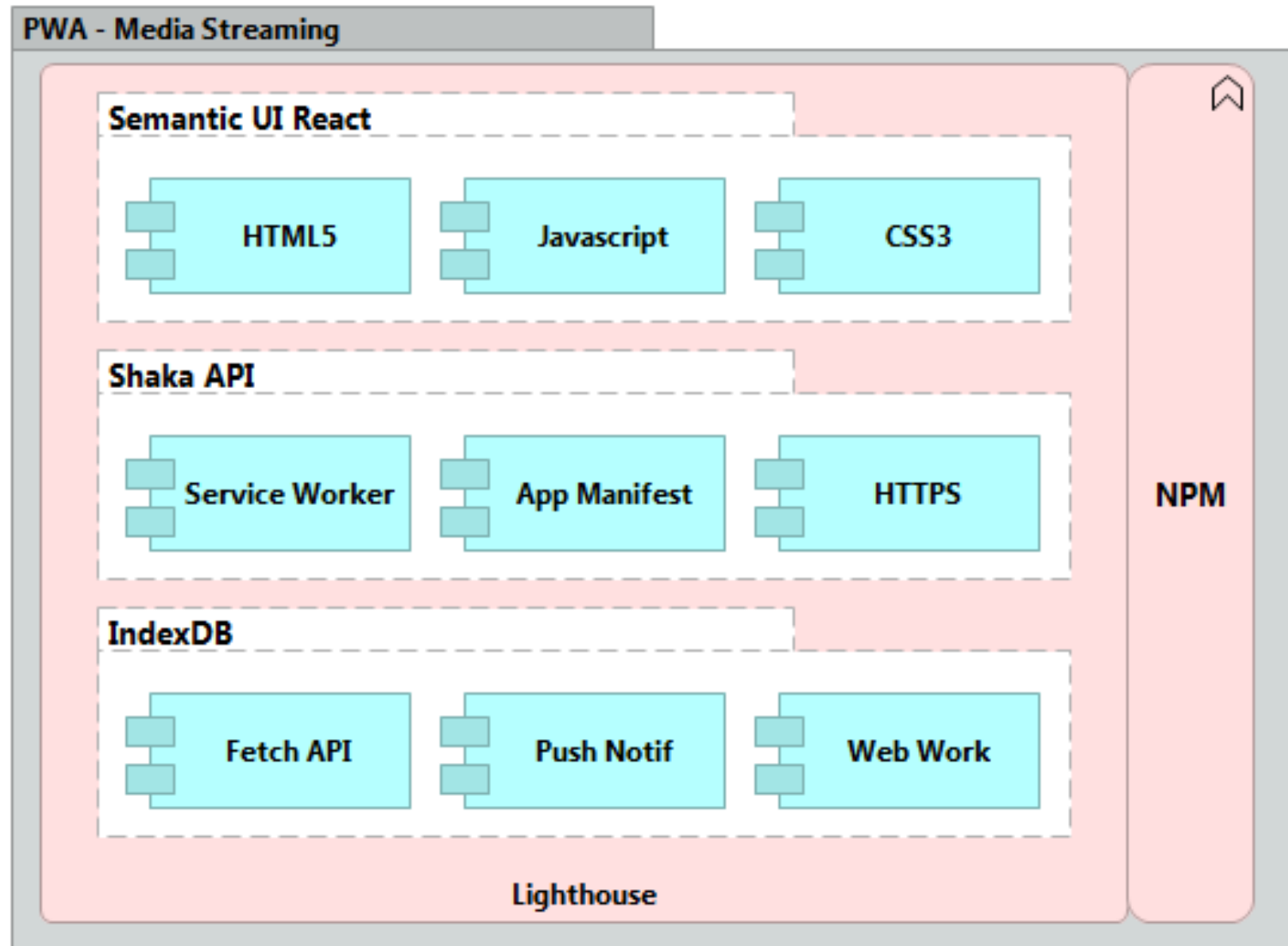
CHALLENGES

1. Develop interoperable UI/UX component,
2. UI/UX integration with Shaka API.

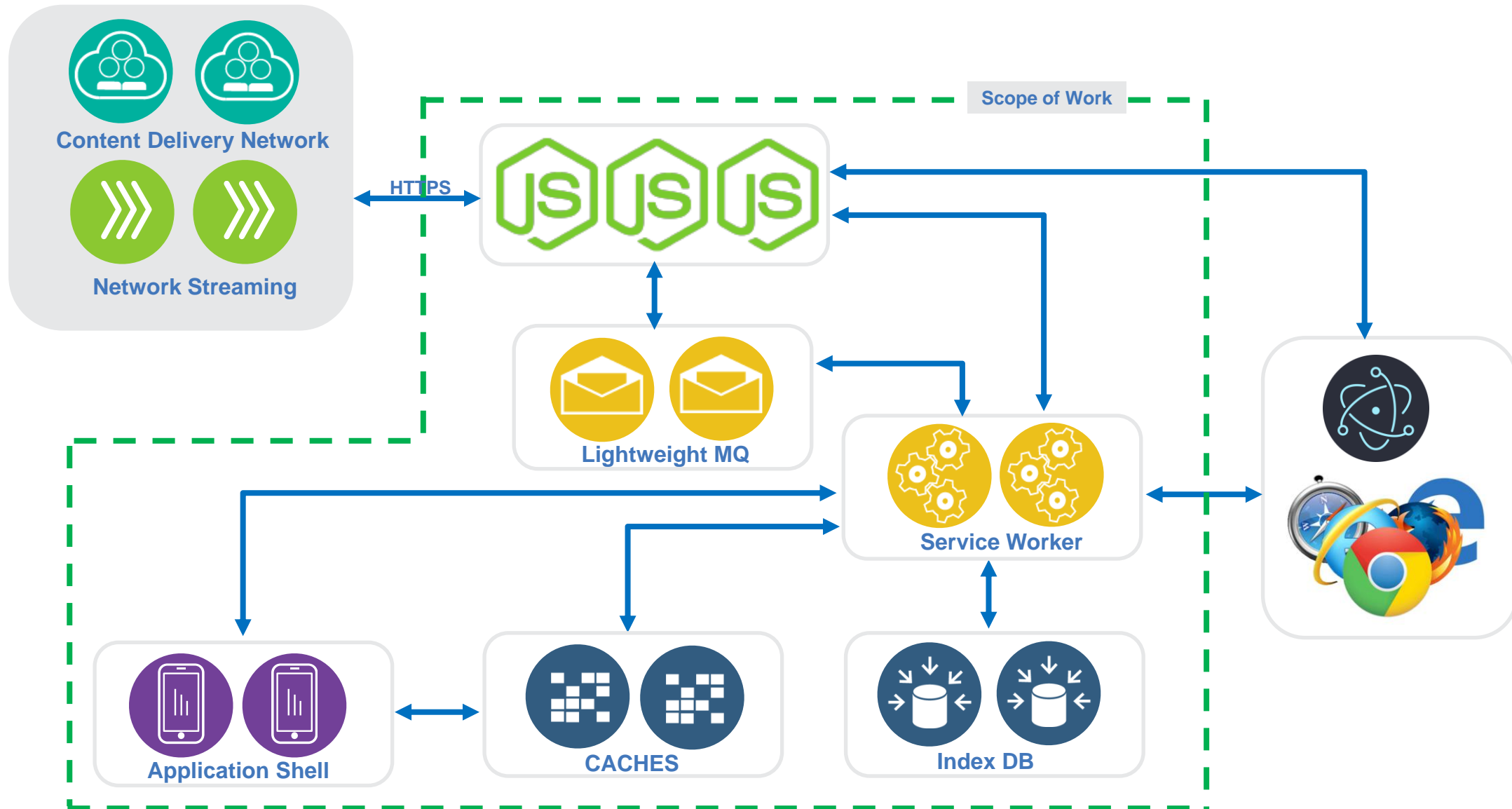
SOLUTIONS

1. Selecting UI/UX which will support the PWA behavior,
2. Work with minimum configuration,
3. Design → Build → Run (test).

Technology Components



PWA – Architecture



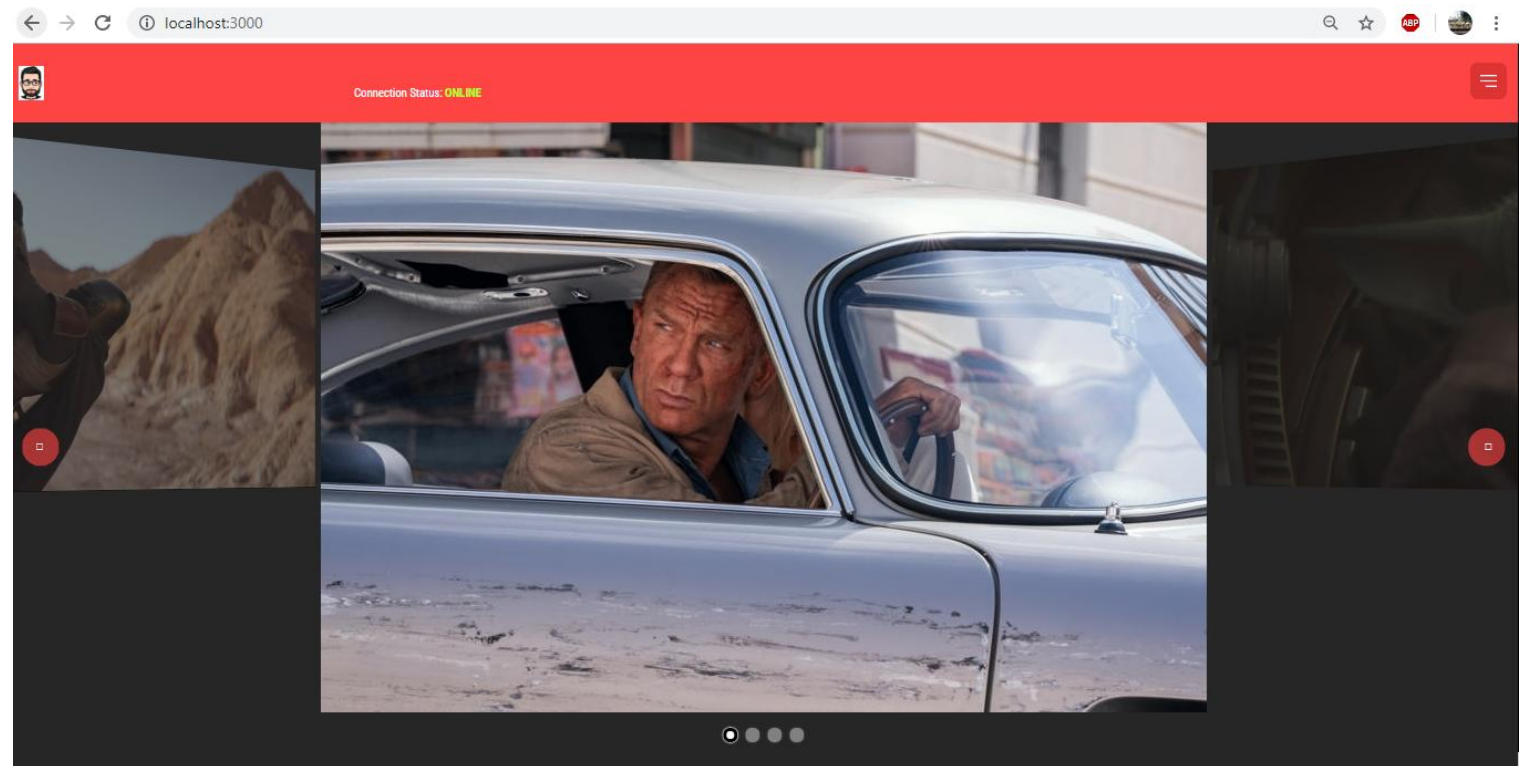
Screenshot for our project

1. Homepage
2. Getting started
3. Movie page (online)
4. My Playlist (offline)
5. About us

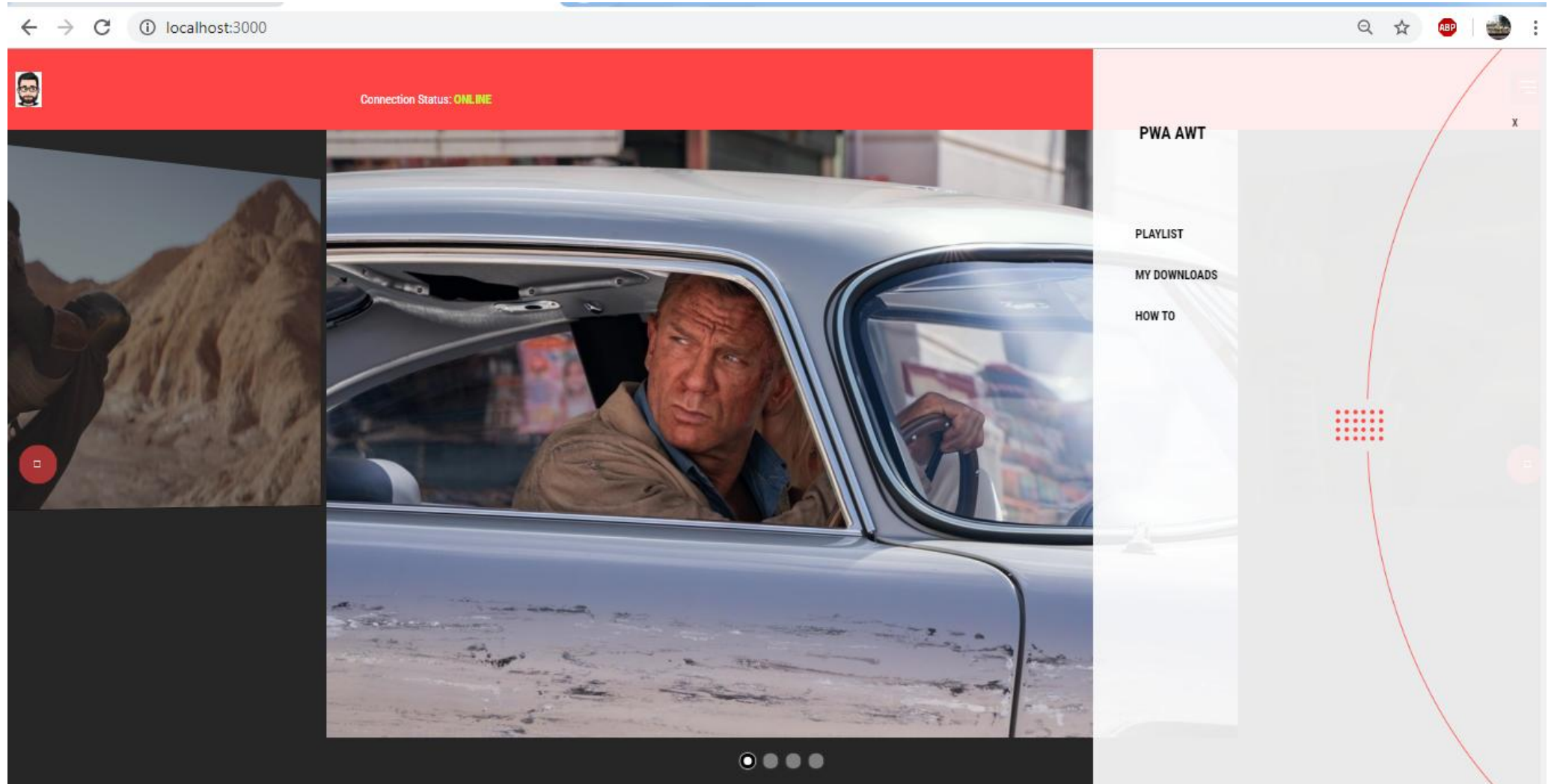
Wireframe

Screenshot wireframe for our project

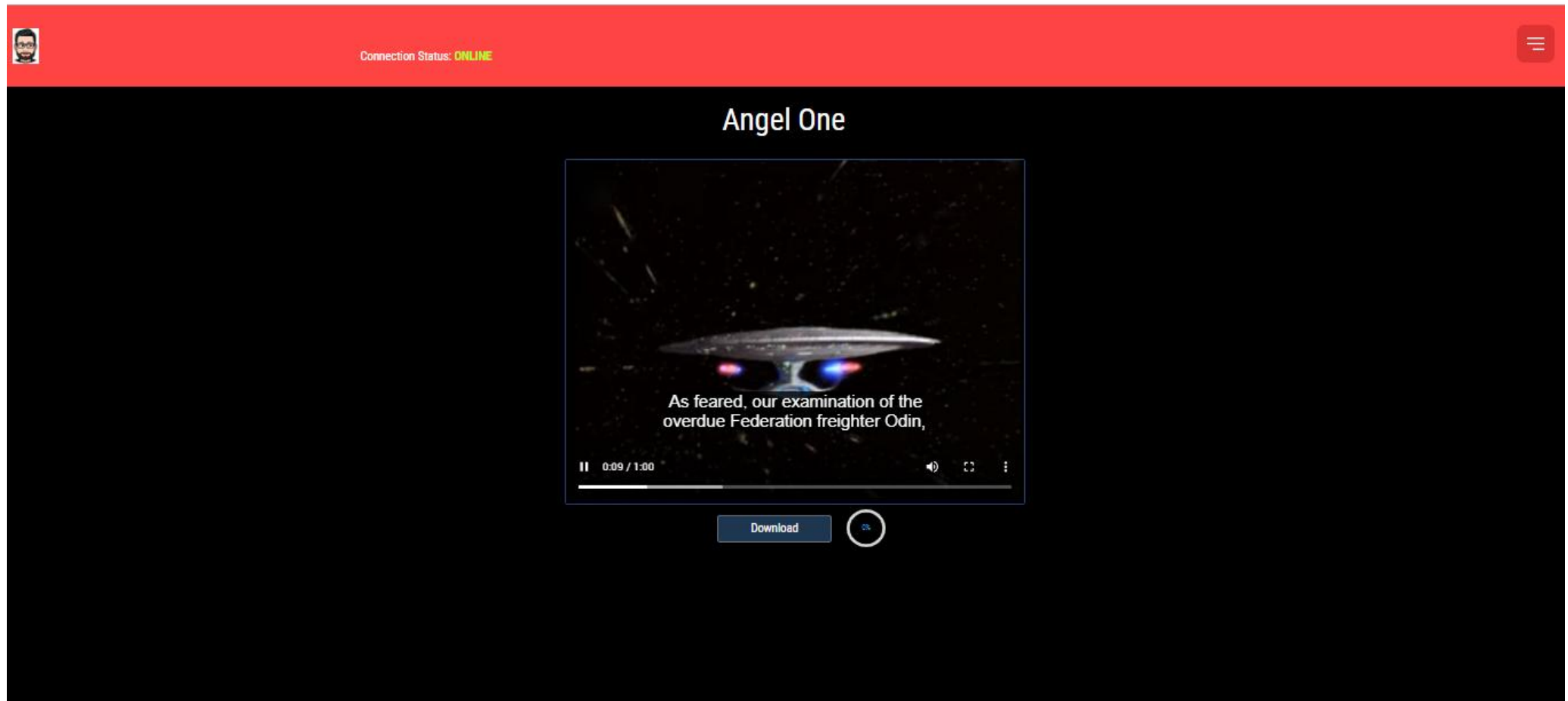
1. Homepage with hamburger menu
2. Getting started (how to)
3. Movie page (online)
4. My Playlist (offline)
5. About us



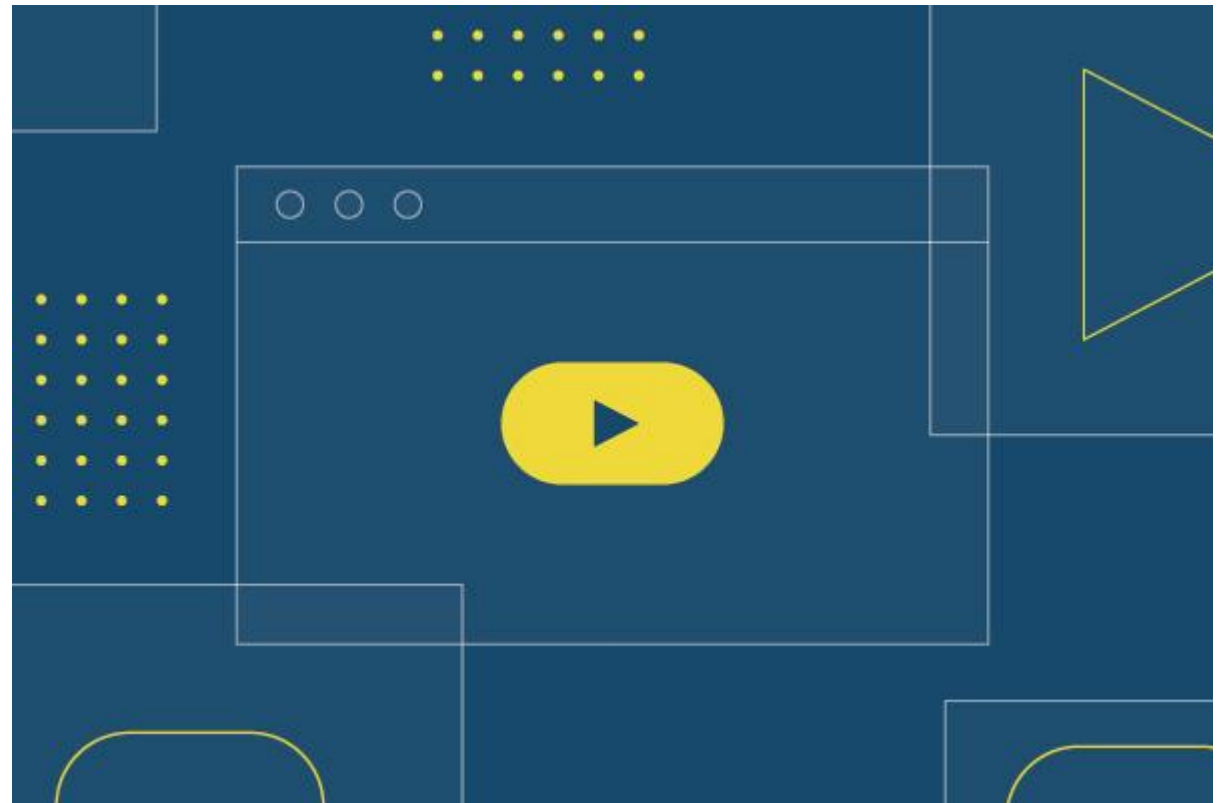
Wireframe - Homepage



Wireframe – Movie Page



- <http://127.0.0.1:9000/>
- <http://127.0.0.1:3000/>



- Advance integration with Shaka API
- UI/UX improvement



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>