

#### **UNIVERSIDAD DE LOS ANDES**

#### MISO-4208 Pruebas Automáticas

# Profesor Mario Linares Vásquez - m.linaresv@uniandes.edu.co

## **TALLER 1 Progressive Web Apps (PWA)**

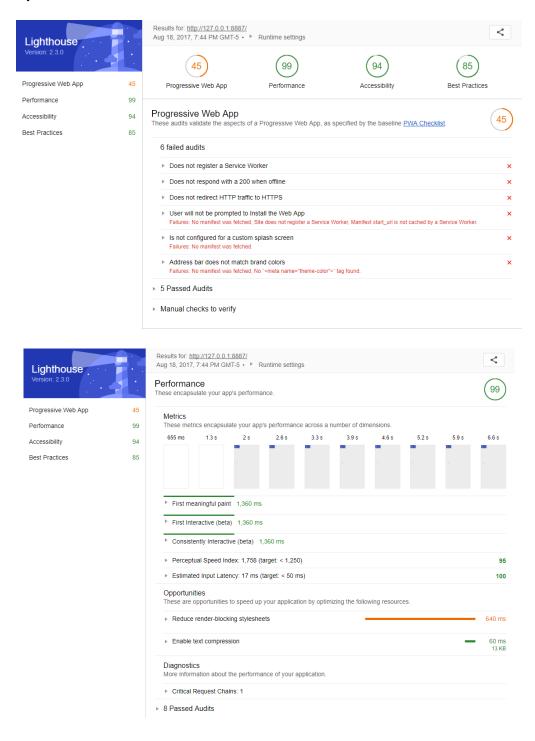
**Presentado Por:** 

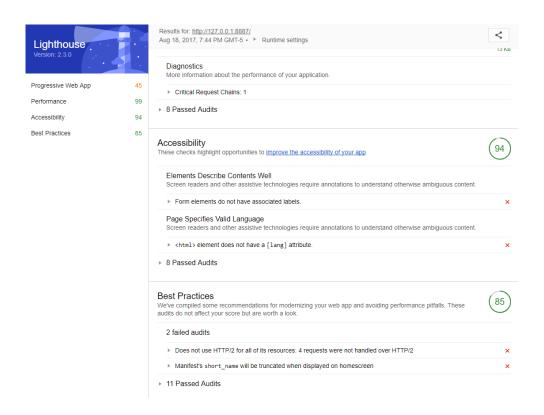
Juan Carlos Arias Ramírez, 200327727

#### Parte 1

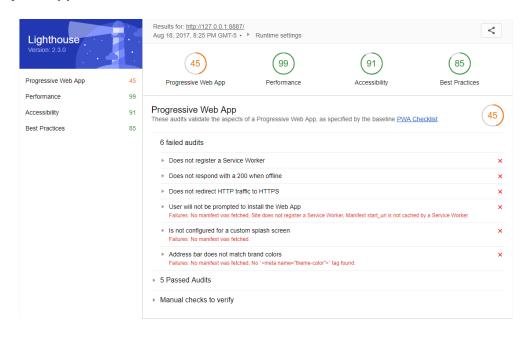
Se completó todo el laboratorio del enlace definido en la guía del taller y a medida de que se avanzaba en el mismo se iban ejecutando las pruebas de Lighthouse para revisar el avance en las métricas progresivas.

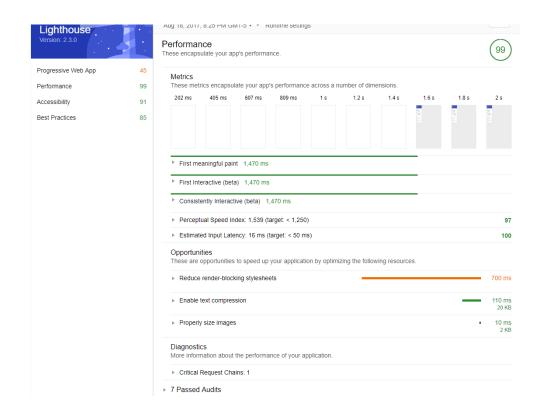
#### Getting set up

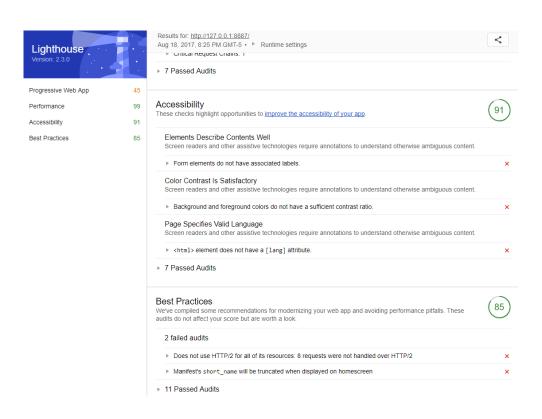




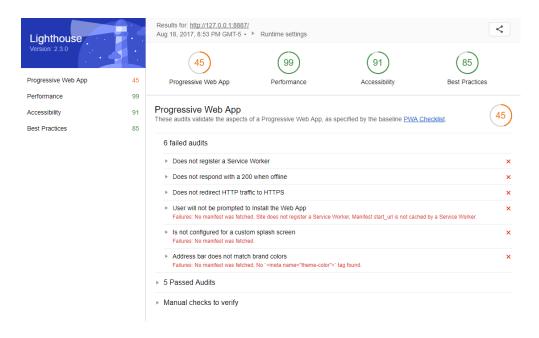
#### Implement your App Shell

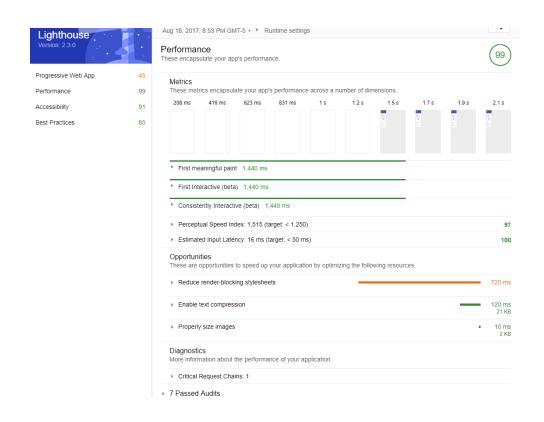


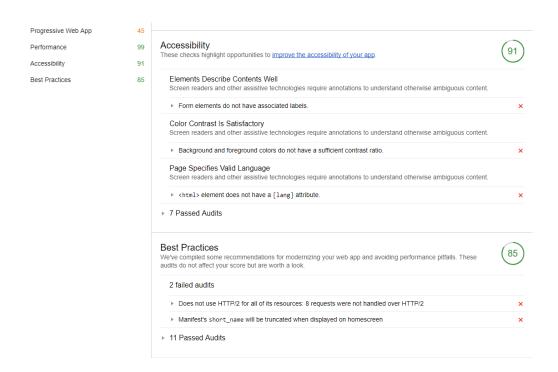




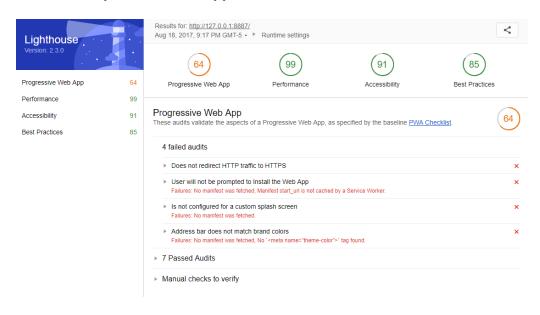
#### Start with a fast first load

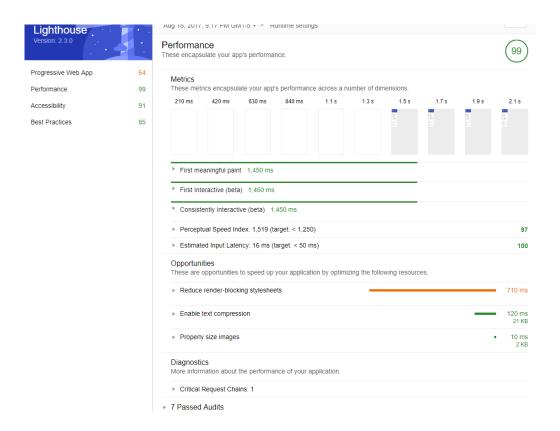


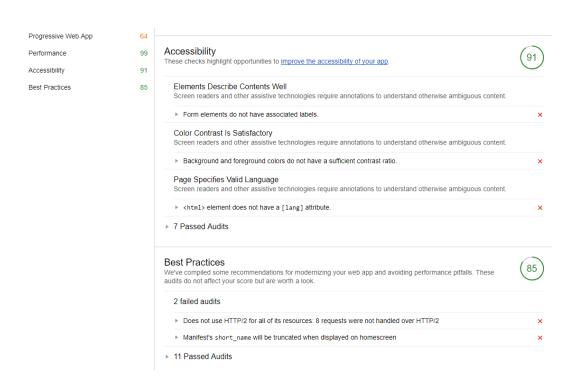




#### Use service workers to pre-cache the App Shell

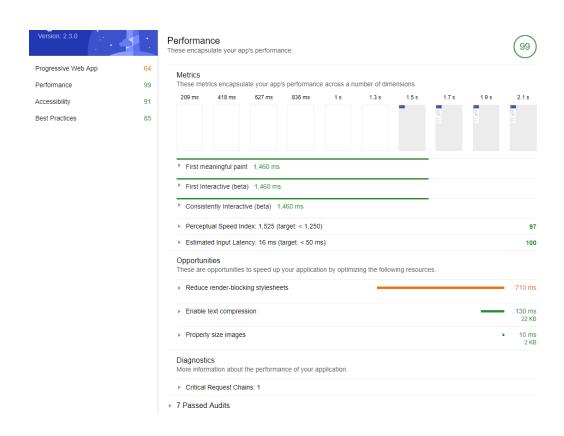


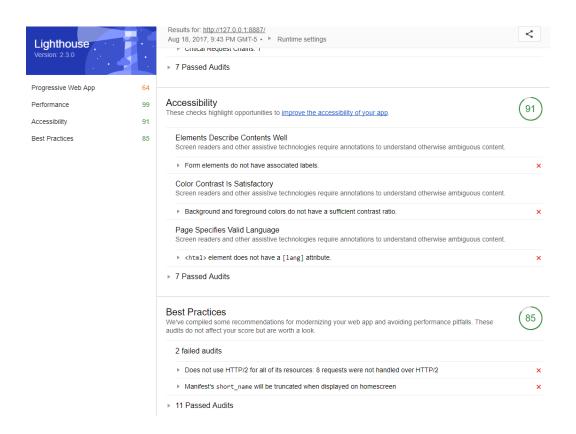




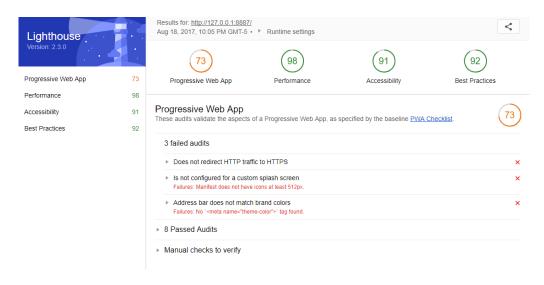
#### Use service workers to cache the forecast data

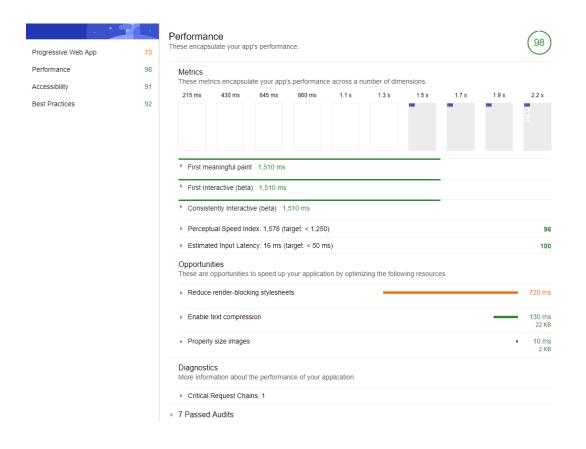


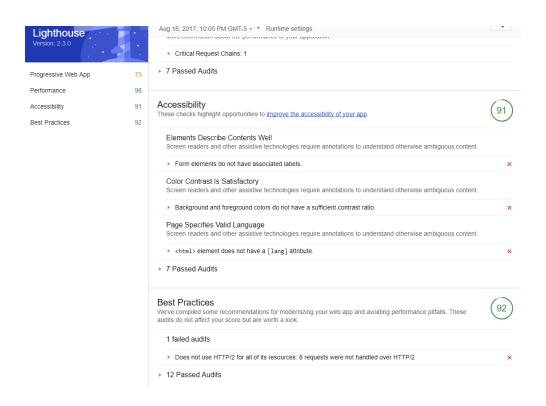




#### Support native integration



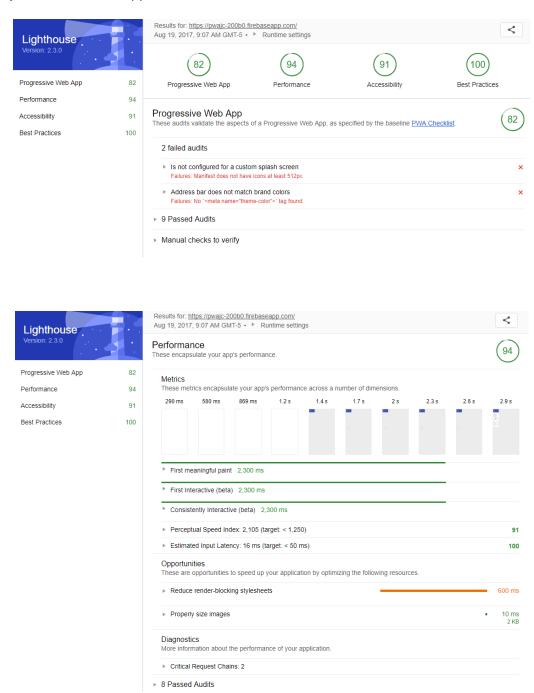


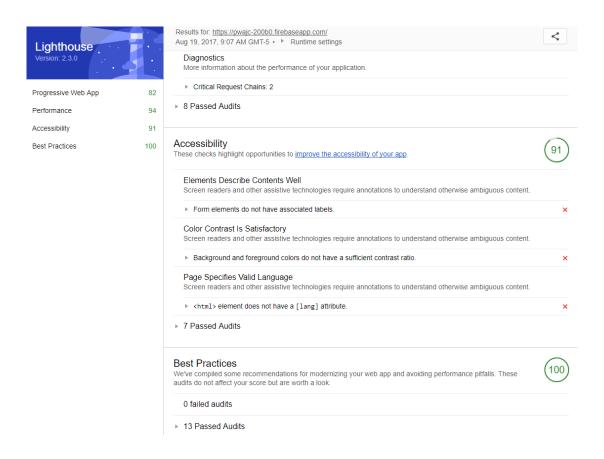


#### Deploy to a secure host and celebrate

Se hizo el deploy a Firebase y la app quedo en el siguiente enlace:

https://pwajc-200b0.firebaseapp.com/



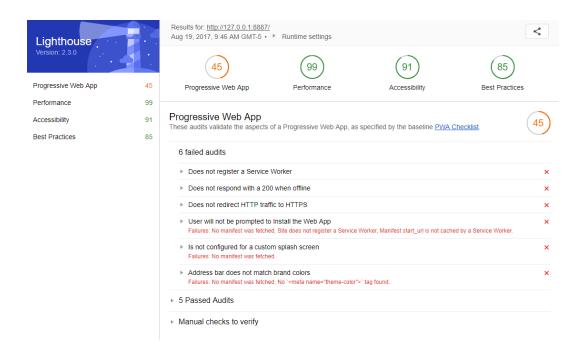


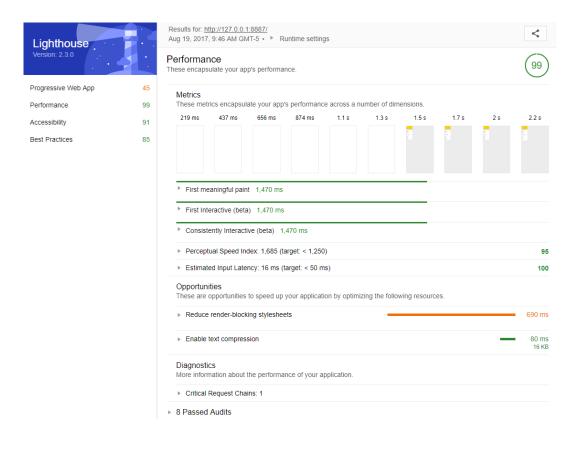
#### Parte 2

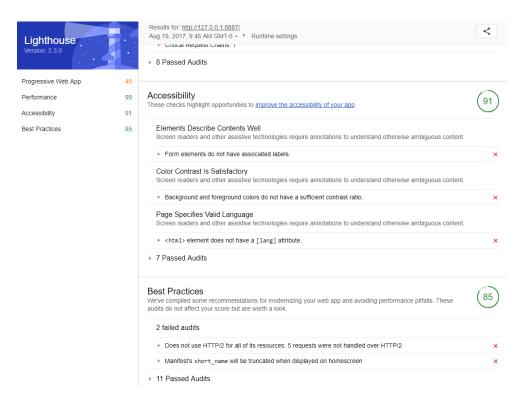
Se completó todo el laboratorio del enlace definido en la guía del taller y a medida de que se avanzaba en el mismo se iban ejecutando las pruebas de Lighthouse para revisar el avance en las métricas progresivas.

#### Antes de implementar las funcionalidades

Antes de comenzar se generó el reporte Lighthouse para conocer el estado actual de la app.

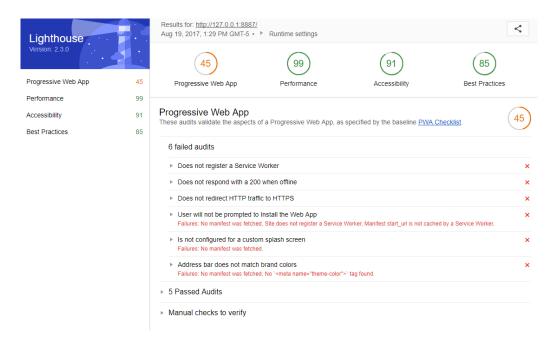


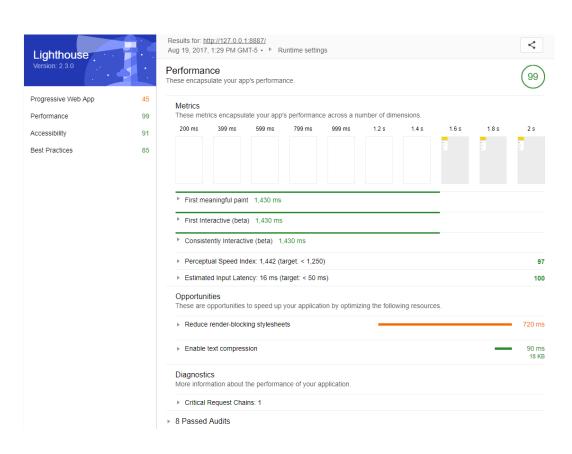


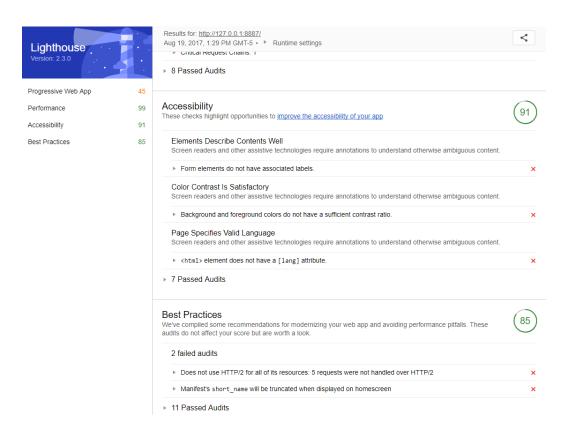


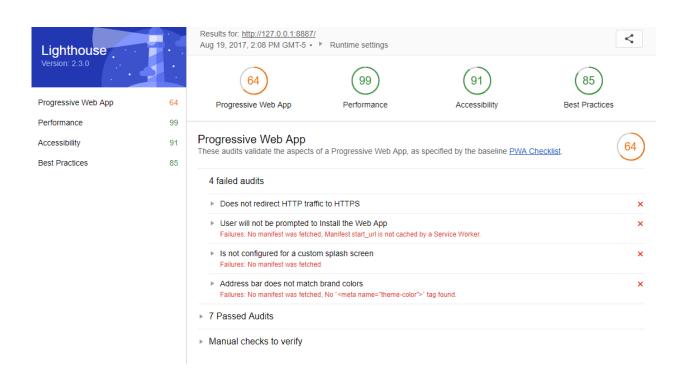
### Después de implementar las funcionalidades

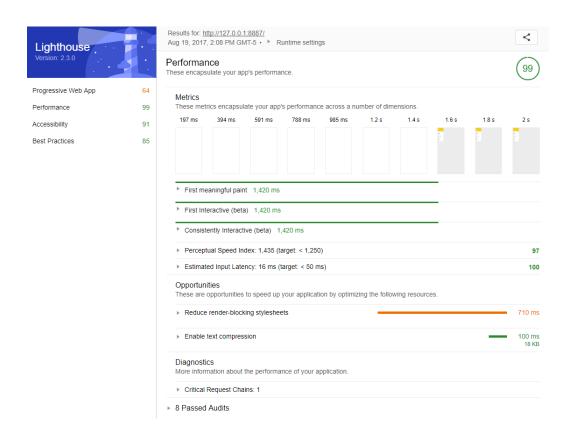
#### Funcionalidades F1 y F2

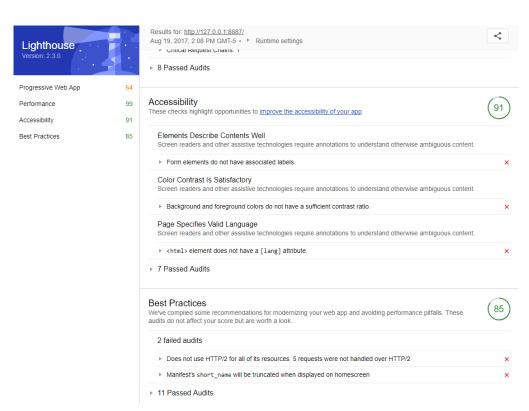


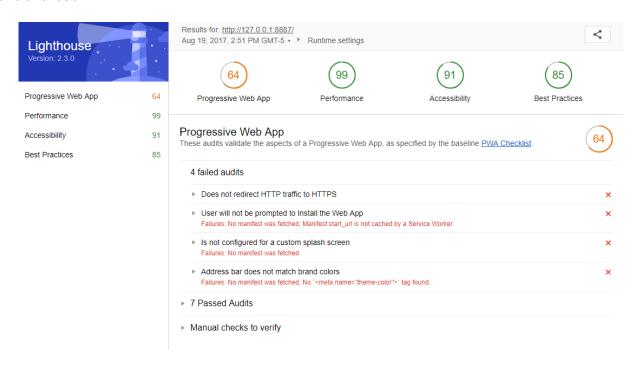


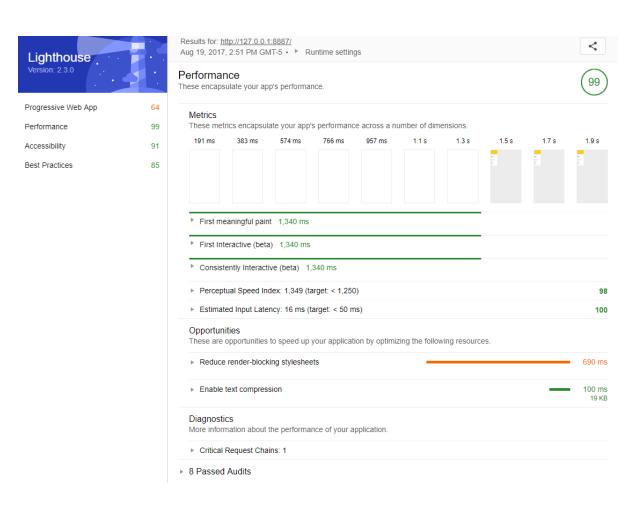


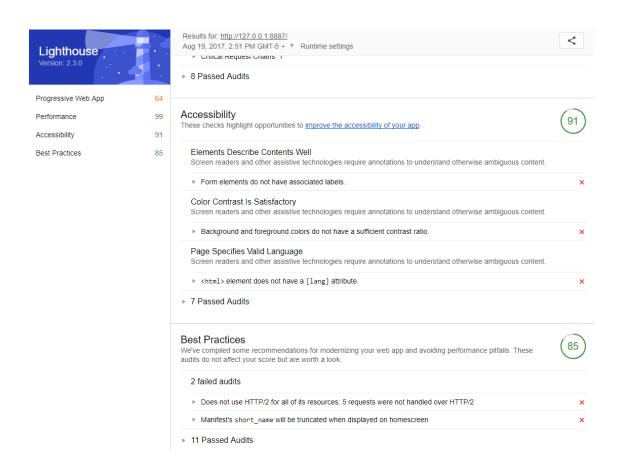


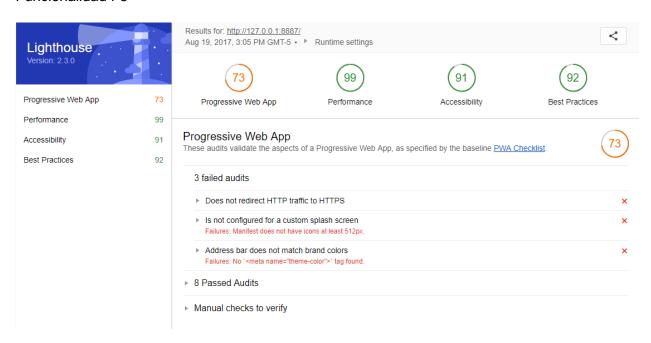


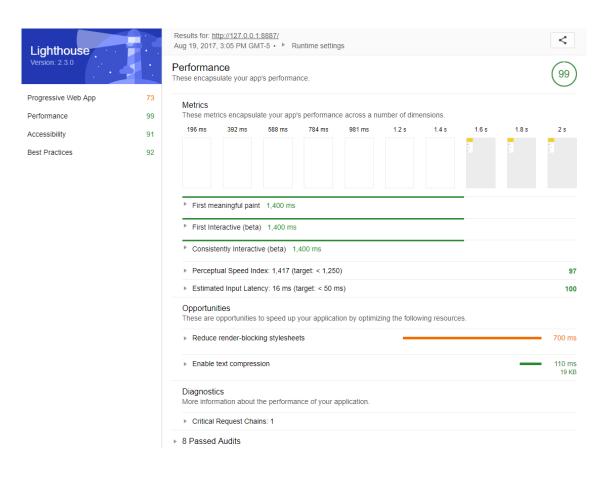


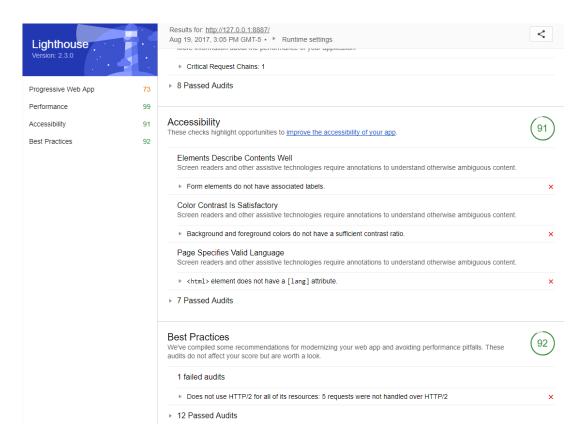






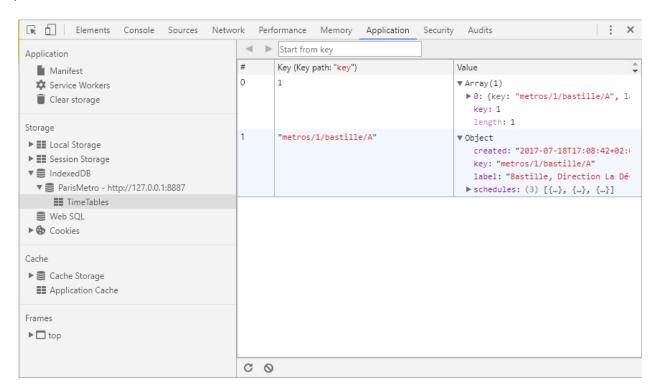


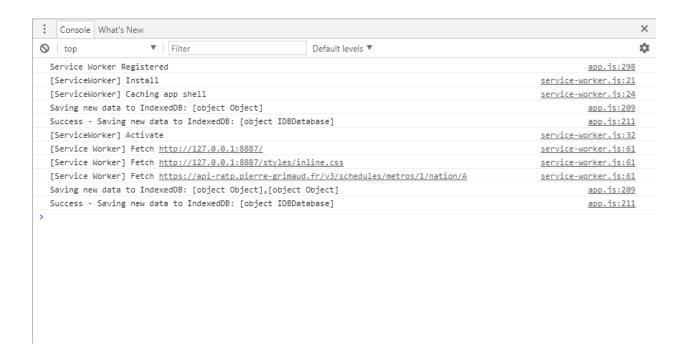


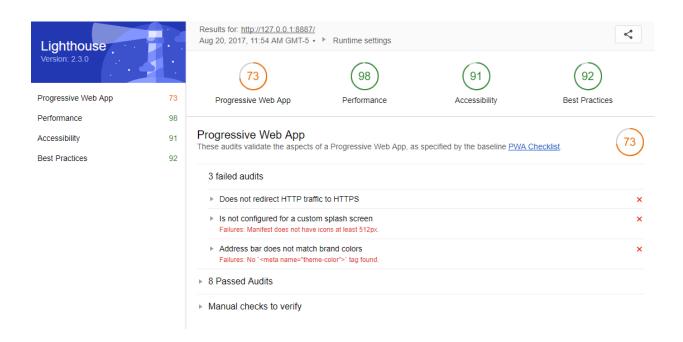


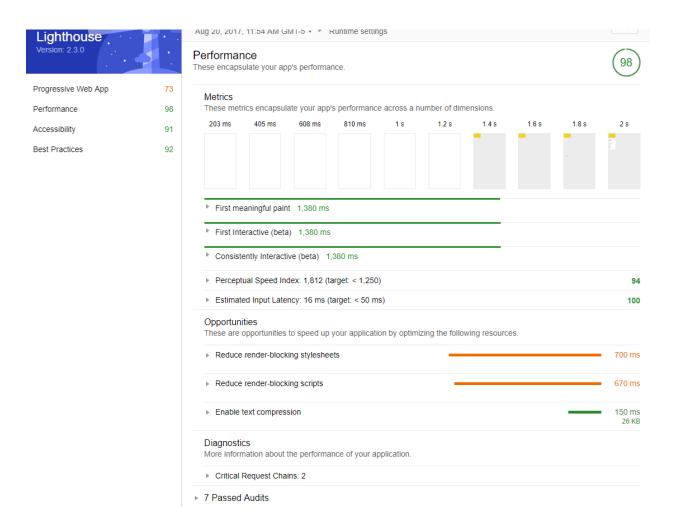
Hasta este momento se siguieron los mismos pasos de la parte 1 pero aplicados a esta app, ahora se implementan las funcionalidades de IndexedDB y de Workbox (sw-precache).

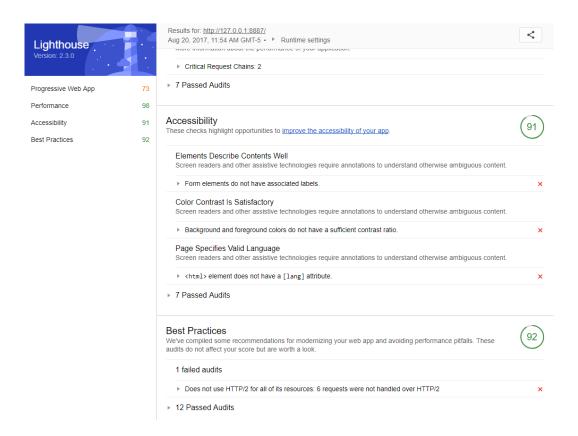
#### Implementación de IndexedDB







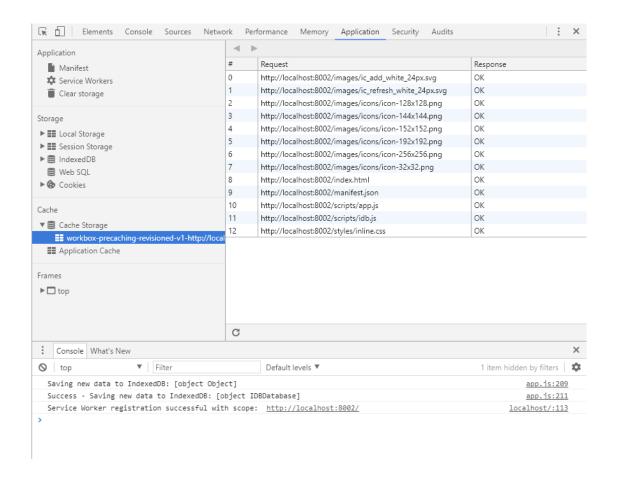


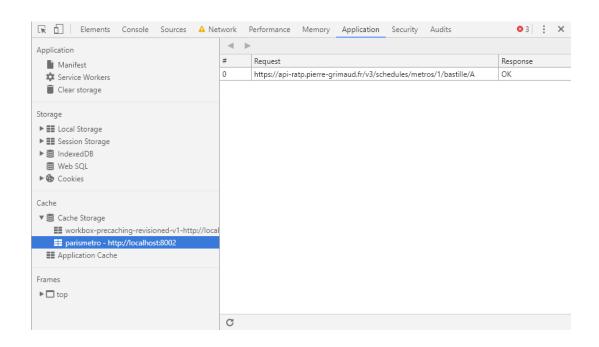


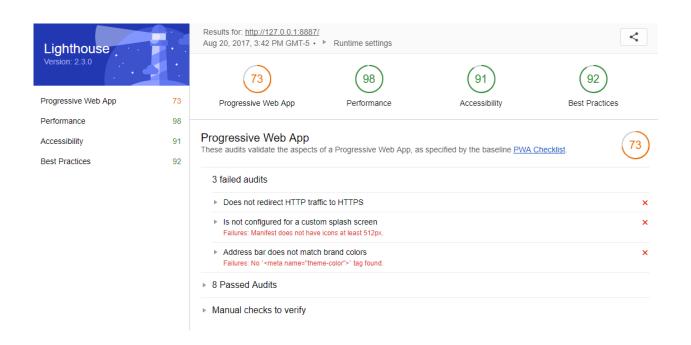
#### Implementación de WorkBox

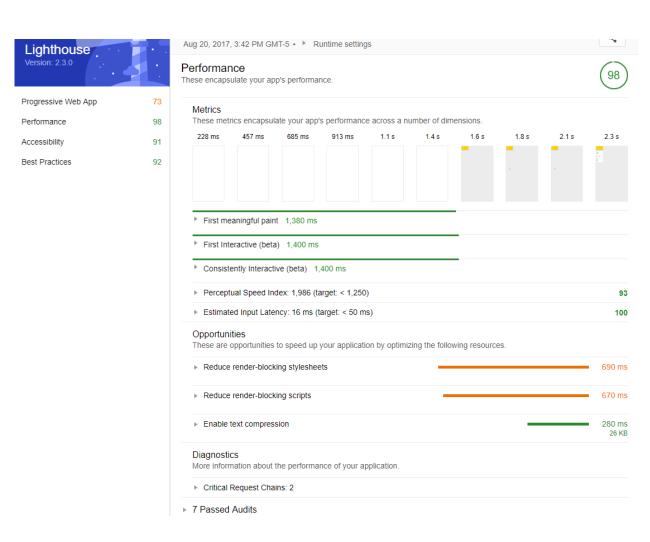
**Nota:** Workbox is the successor to sw-precache and sw-toolbox. It is a collection of libraries and tools used for generating a service worker, precaching, routing, and runtime-caching. Workbox also includes modules for easily integrating background sync and Google analytics into your service worker.

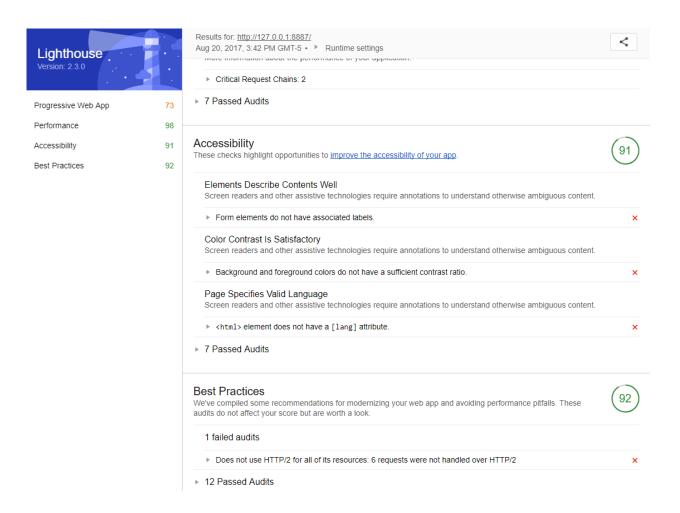
https://developers.google.com/web/ilt/pwa/lab-workbox





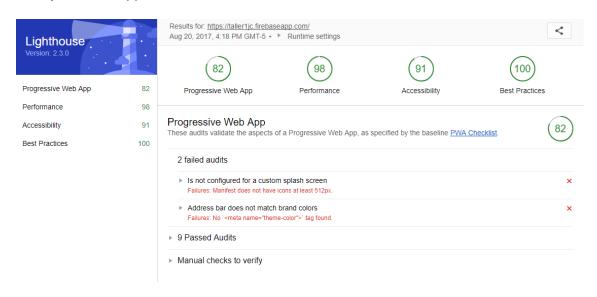


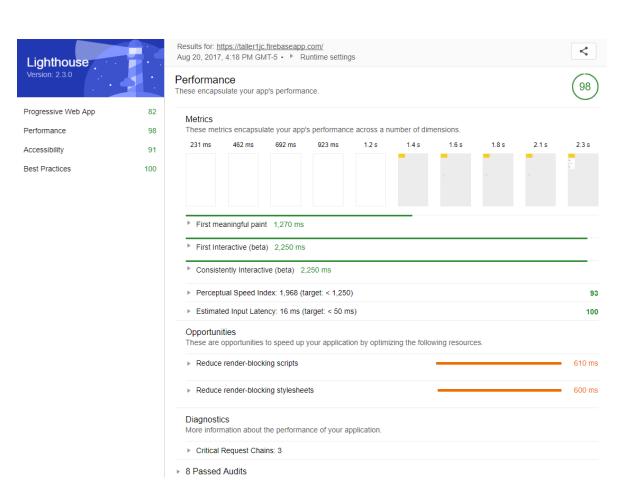


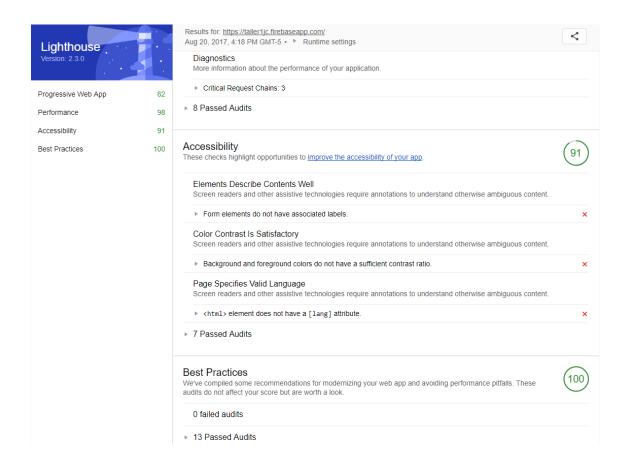


Se hizo el deploy a Firebase y la app quedo en el siguiente enlace:

#### https://taller1jc.firebaseapp.com/







#### **Enlaces en Github**

Los siguientes son los enlaces de donde se pueden descargar las dos partes de este taller:

https://github.com/jarias915/miso4208Taller1/blob/master/Taller1Parte1.zip

https://github.com/jarias915/miso4208Taller1/blob/master/Taller1Parte2.zip