# Performance audit document

Introduction

The aim of this document is to review how the website performs in the browser, it’s effectiveness, speed and overall performance during browsing.

Using lighthouse, I tested both how the app performs in desktop and mobile mode which I will deal with separately.

Desktop – Initialization of the page

On visiting the website, the overall performance score was 52.

This demonstrates mediocre functionality for an app.

The first contentful paint(FCP), which measures the time the browser renders the first bit of content from the DOM, registered at 1.2 seconds. This is marked by an orange square and the number is red, highlighting that it is slow.

The Total blocking time, which measures the **total** amount of **time** between (FCP) and **Time** to Interactive (TTI), where the main thread was **blocked** for long enough to prevent input responsiveness, was 60s which is considered good performance.

The speed index is 2.4s.

**The Largest Contentful Paint** (LCP), a Core Web Vitals metric which measures when the **largest** content element in the viewport becomes visible registered at 4.9s which is also considered poor performance.

Time to interactive, which is a non-standardized web performance 'progress' metric defined as the point in **time** when the last Long Task finished and was followed by 5 seconds of network and main thread inactivity, was 4.2 seconds

The Cumulative Layout Shift, which looks at the proportion of the viewport that was impacted by **layout shifts**, and the movement distance of the elements that were moved was 0.262.