

Performance Optimization Report

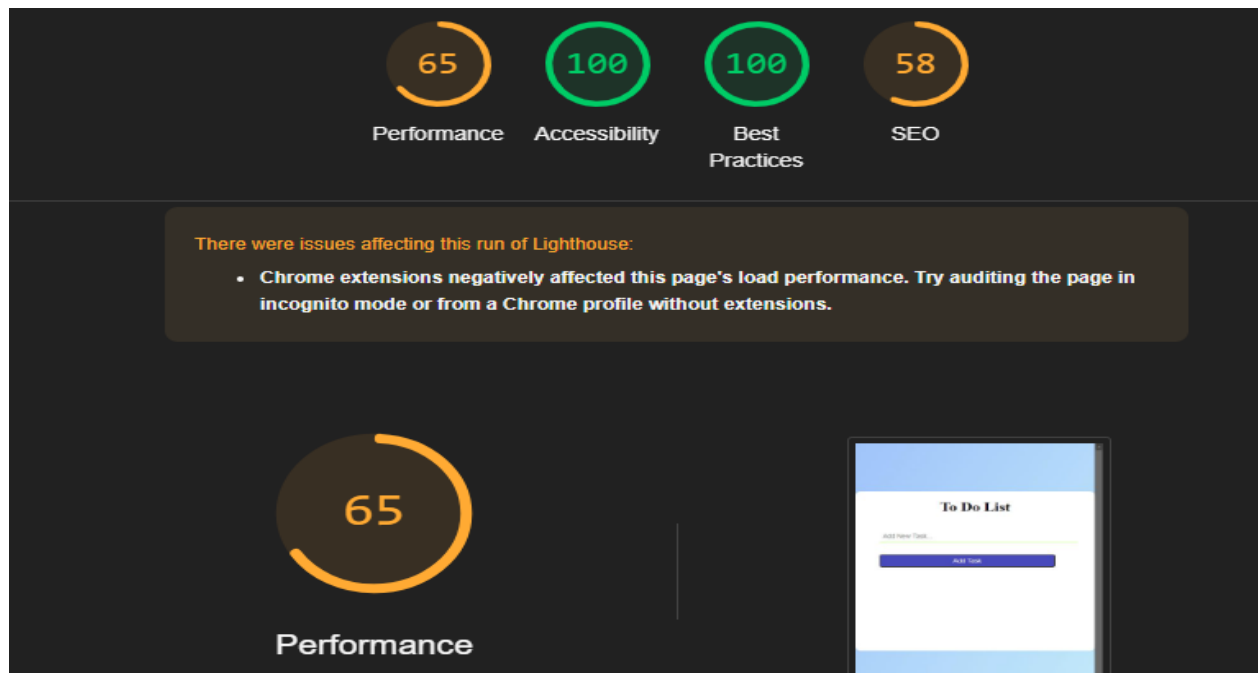
Introduction:

Stay organized and boost your productivity with our easy-to-use To-Do List application. Whether you need to track daily tasks, work projects, or personal goals, this tool makes it simple to manage everything in one place.

Key Features:

- **Create Tasks:** Add new tasks quickly and easily.
- **Delete Tasks:** Remove tasks you've completed or no longer need.

Initial Analysis:



Key issues:

- Unused JavaScript
- Unused CSS
- Large Contentful Paint element

Optimization Steps:

Steps I take to optimize my website

- Add meta tags for better SEO
- Remove the unused CSS
- Used inline CSS where needed
- Add defer in the Script tag for better loading
- Remove unused JavaScript

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>To-Do List </title>

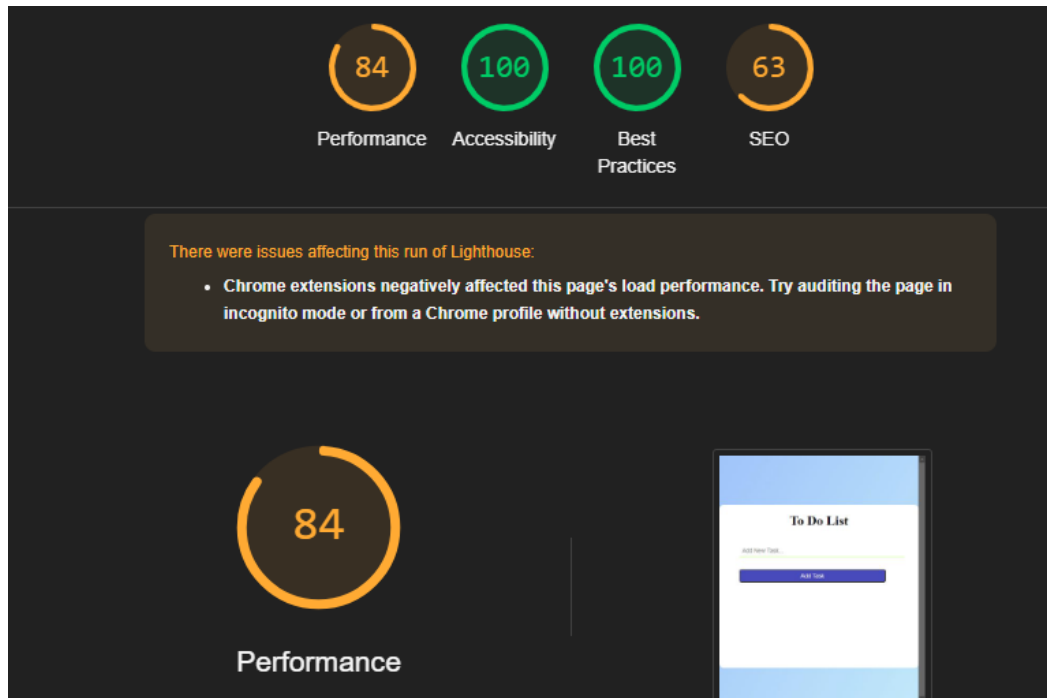
  <link rel="stylesheet" href="style.css">
  <link rel="icon" href="favicon.ico" type="image/x-icon">
  <link rel="canonical" href="https://www.yourwebsite.com/to-do-list">

  <meta name="robots" content="index, follow">
  <meta name="description" content="A simple and efficient To-Do List application to help you organize your tasks.">
  <meta name="keywords" content="To-Do List, tasks, productivity, organize tasks">
</head>
<body style="background-image: linear-gradient(120deg, #a1c4fd 0%, #c2e9fb 100%);">
  <div class="container">
    <div class="content">
      <h1 style="text-align:center; margin: 20px;">To Do List</h1>
      <input type="text" placeholder="Add New Task..." class="task-input" aria-label="Add new task">
      <br>
      <button class="add-btn" aria-label="Add task">Add Task</button>
      <ul style="list-style-type:none;" class="task-list" aria-live="polite"></ul>
    </div>
  </div>
  <script src="script.js" defer ></script>
</body>
</html>
```

Final Analysis:

Here is the result after the optimization of my website

- The **performance** is now better, it increases from 65 to 84.
- The **SEO** has increased from 58 to 63.



Conclusion:

After implementing targeted optimizations, I significantly improved my To-Do List web application's performance. Using Google Lighthouse, I increased the performance score from **65** to **84**, demonstrating a marked enhancement in speed and responsiveness. Additionally, I raised the SEO score from **58** to **63**, ensuring better visibility and search engine rankings.

These improvements not only enhance user experience but also contribute to a more efficient and accessible platform for managing tasks

