

**TASK 1: DESIGN AND DEVELOPMENT OF A WEB  
APPLICATION (TASK MANAGER)  
DEVELOPMENT PHASE SUMMARY**

Task Manager Web Application

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## **2. Development Phase**

### **2.1 Implementation Plan**

The code of the project is organised in separate files to confirm clarity and maintainability. The layout is handled by HTML, the styling is handled by CSS, and the logic and interactions are handled by JavaScript. Vanilla JavaScript is employed to confirm that it works with modern browsers without additional libraries. GitHub is also used for version control and change tracking, which assists in documenting progress effectively. The source code is highly commented to describe how major functions work and the logic behind key components. With sample data, the developer tests the task manager application to underscore that it works correctly.

### **2.2 Third-party Libraries**

In this project, the developer did not use any external libraries. This decision has helped to decrease dependency and uphold the application's lightweight nature, as well as confirming that users have been able to easily run the application without additional setup or installations.

### **2.3 Design Decisions**

Local Storage was selected because it is simple and easy to use, and the data can be persisted across browser sessions without a back-end server. Dark mode was introduced to enhance accessibility and decrease eye strain when the user uses it over a long period of time.

### **2.4 Testing**

In this project, the developer is testing the application's functionality on the latest versions of Chrome and Firefox. Task data has been verified via browser developer tools under Application -Local Storage, confirming tasks are saved and loaded correctly. The responsive layout was checked on desktop and tablet views to confirm that the interface remains accessible and functional across different screen sizes.