

# Ashti Web Server Write-up

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## 1 Introduction

In this write-up, I will describe my experience working on the Ashti Web Server project.

## Challenges

During the development of the web server, I encountered several challenges. Here are three of the main challenges I faced:

### Challenge 1

Understanding the requirements and relaxation of HTTP 1.1 protocol for the server implementation.

### Challenge 2

Handling GET requests and serving the appropriate files from the disk to the web browser.

### Challenge 3

Implementing support for various HTTP response codes, including 200, 400, 404, and 500.

## Lessons Learned

Throughout the project, I learned important lessons that will benefit my future endeavors. Here are two of the main lessons I took away from this experience:

### Lesson 1

Writing modular and reusable code is crucial for efficient development and maintenance.

## **Lesson 2**

Thorough testing and handling of various edge cases, such as slow clients and error outputs from CGI scripts.

## **Conclusion**

In conclusion, the Ashti Web Server project was a challenging yet rewarding experience. I successfully implemented a simplified version of a web server that served files from the disk to web browsers. I gained valuable knowledge in handling HTTP requests and responses, supporting different content types, and interacting with CGI scripts. I look forward to applying these lessons in future projects and further refining the Ashti Web Server.