**DP2 2020-2021**

Progress Report D4

June Group #4

Repository

<https://github.com/rodddella/Acme-Planner.git>

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Contenido

[Summary 3](#_Toc73582927)

[Progress made so far 3](#_Toc73582928)

[Personal problems 3](#_Toc73582929)

# Summary

This document contains a summary of the problems/difficulties we have faced during the development of this project and the solutions we found to resolve them.

# Progress made so far

For this deliverable, the team focused on the collection of performance data (request response time) and its subsequent analysis for hypothesis testing.

The data collection has been done by running all the tests developed in the previous deliverable on two different computers of the development team (Guillermo's and George's). In this way, up to 1783 samples of the time taken by the server to provide a response were obtained.

After obtaining all these times, the team has performed a statistical analysis on them to obtain indicators using Excel, including an interval for the population mean with a confidence level of 95%, which would allow us to determine whether our Acme Planner application is sufficiently optimized.

Finally, a hypothesis test was performed with the data obtained to determine whether the performance on both computers was the same or not.

# Personal problems

Regarding personal problems within the group, there have not been any. The four of us are colleagues who know each other for a long time. We already have a working method, and we know each other's aptitudes. Thus, in this project, as in others we have carried out, we have all worked together without any problems.