

**Title:** CAPP: A Cross-platform App for Davao Congressional Assistance Programs in District 1 using Priority Queue and 0/1 Knapsack Algorithm with Greedy Approach

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## **EXECUTIVE SUMMARY**

This study focuses on the development of the CaApp: A Cross-platform App for Davao Congressional Assistance Programs in District 1 using Priority Queue and 0/1 Knapsack Algorithm with Greedy Approach in order to help the constituents of District 1 on availing the different offered assistance through the office of Karlo Nograles. This will benefit both the clients and the office of Karlo Nograles wherein by utilizing the web portal the work for the staff of Nograles will be much more efficient and the app for the client will help them send requests and receive notifications. The proponent's main purpose of this study is to help the clients by lessening their burden on manually checking the provision of the requested medicines by utilizing the app they will no longer need to do the task and could make it much more hassle free for the clients of the office of Karlo Nograles.

**Keywords:** Priority Queue, 0/1 Knapsack Algorithm, Web Portal, CaAPP, Congressional Assistance, Greedy Approach.