Deliez: A Cross-Platform Delivery Order Application Using Google AppSheet

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***Abstract*—This thesis builds Deliez, a delivery-order management application using Google AppSheet and Google Sheets. The author designs separate views for customers, drivers, and administrators and describes how orders progress through delivery stages. The report shows data tables, configured forms, and interface screens. Its conclusion states that the prototype records delivery information and updates the shared data source, but also acknowledges limited interaction among the roles and a simple interface. The source does not report a field trial with actual couriers, measured delivery times, or verified reliability at scale. The contribution is a low-code demonstration of order tracking and role-specific views. More complete communication, permissions, and operational testing remain for later development.**

***Index Terms*—delivery orders, Google AppSheet, Google Sheets, low-code, order tracking**

I. Introduction

Delivery services coordinate customers, couriers, and administrators around order status and handoff information. The thesis uses this workflow as the case for a cross-platform AppSheet application named Deliez. It reviews the low-code platform and Google Sheets data handling before describing role-specific needs. The objective is to make order progress visible in a shared application. The source is a student prototype report rather than evidence of an operating delivery company system [1]. Earlier ICTU student work on related designs is included here for context [2], [3], [4], [5], [6], [7]. These contextual works were selected for this English summary; they are not asserted to appear in the original thesis bibliography.

II. Methods

The author models order and user data in Google Sheets and configures AppSheet forms, views, and role-based navigation. Customer, driver, and administrator screens are described, together with steps for recording and updating delivery progress. The report includes interface images and explanations of the configured data flow. It does not define a controlled test of route optimization, delivery duration, transaction failure, or user satisfaction in a live service [1].

III. Results

The manuscript reports a working AppSheet application with views for the three roles and continuing updates to order records. The conclusion says the delivery steps can be followed and transaction information recorded. Screens support that the prototype workflow was assembled. The author also notes that interaction among roles remains limited and the interface is simple. No measured improvement in delivery performance or independent reliability assessment is presented [1].

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IV. Discussion

A shared spreadsheet-backed application can make the stages of an order visible without separate native clients, but the source identifies limits in interaction among customers, drivers, and administrators. The report does not test identity checks, access to private order details, offline behavior, or simultaneous edits. These issues matter if the prototype is expanded for real deliveries. Further work should address permissions and communication before claiming operational effectiveness [1].

V. Conclusion

The thesis documents Deliez, an AppSheet and Google Sheets prototype for delivery-order management. It demonstrates role-specific views and updates to order records through the reported interface. The author recognizes missing interaction features and a basic presentation. The source does not establish a live service outcome. The project provides an implementation starting point for testing with real couriers and administrators after further development [1].

References

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