A Google AppSheet Student Management Application for Sao Viet Education Center

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***Abstract*—This thesis develops a student-management application for Sao Viet Education Center using Google AppSheet. The author analyzes administrative functions and designs an interface that can be used through web and mobile clients. The reported prototype manages student records, classes, grades, schedules, and attendance; it also provides views for sorting information and exporting selected data as CSV. The report documents use cases, activity and sequence diagrams, interface screens, and functional checks. It states that the calculation of total tuition and some statistics remained incomplete. Separate permissions for administrators, parents, and learners, along with tuition payment functions, are proposed for future development rather than shown as delivered features. The evidence consists of design and demonstration material rather than a measured study of center operations or user satisfaction. The contribution is a documented low-code implementation of common education-center records, with role security, fee accounting, and real-world evaluation still to be completed.**

***Index Terms*—student management, Google AppSheet, low-code, attendance, education center**

I. Introduction

Education centers need a consistent view of learners, classes, grades, schedules, and attendance. The thesis proposes a Google AppSheet application for Sao Viet Education Center to assemble those records in one workflow available on mobile devices and the web. Its goal is to demonstrate student administration with a low-code platform. The source also recognizes tuition accounting and differentiated parent or student access as later work, so the current scope is narrower than a full center information system [1]. Earlier ICTU student work on related designs is included here for context [4], [5], [6], [7], [8], [9], [10]. These contextual works were selected for this English summary; they are not asserted to appear in the original thesis bibliography.

II. Methods

The author describes roles and requirements, then develops use-case, activity, and sequence diagrams for student records, teachers, grades, attendance, search, login, and CSV export. The application is configured in Google AppSheet around connected data tables and generated views. The report shows interface pages and a functional-test section. Implementation evidence includes student and class management, schedule and grade views, attendance updates, and export operations. It does not describe a controlled field evaluation with actual center users [1].

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III. Results

The source reports an application accessible through web and iOS or Android devices. It shows management screens for students, classes, schedules, grades, and attendance and describes CSV exports for selected records. Functional scenarios exercise the interface. The author explicitly says that total tuition calculation and part of the statistics were unfinished. The report does not quantify time savings, record accuracy, user adoption, or system reliability in routine center operations [1].

IV. Discussion

AppSheet supports a cross-platform prototype without separate native code, but the documented workflow lacks complete tuition accounting and differentiated access for administrators, parents, and learners. The proposed payment and fee-status features are future work. Because educational records can be sensitive, access control and data handling would require careful validation before real deployment. The existing diagrams and interface checks demonstrate the prototype's structure, not its long-term suitability for a production center [1].

V. Conclusion

The thesis documents a Google AppSheet student-management prototype for Sao Viet Education Center, including records for learners, classes, grades, schedules, and attendance. It supports exporting selected information and demonstrates several workflows. The source also records unfinished tuition and statistics functions. Further development of roles, payments, and field evaluation would be needed before claiming a complete operational system. The report provides useful design and implementation evidence while leaving the effect on actual administrative work unmeasured [1].

References

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