Development of a Personal Expense Management App Supporting Multiple Platforms on Google AppSheet Framework

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***Abstract*—This undergraduate thesis develops a personal income and expense application with Google AppSheet for use on mobile devices and computers. The report analyses users' financial-record needs and designs workflows for entering and editing income and expense items. It documents home, personal-goal, task, finance, and statistics screens in both mobile and computer layouts. The finance screens show entry of income and expenses, while the statistics screens present financial and category views. The source confirms completion of the application as a student project but does not report a measured usability or financial outcome. The author identifies further completion and refinement as future work.**

***Index Terms*—Google AppSheet, Expense Management, No-code Platform, User Interface, Soft Skills**

I. Introduction

Personal financial records can help users see where money is earned and spent and plan expenses more deliberately. The thesis proposes a cross-platform income and expense notebook using Google AppSheet. It places the finance workflow alongside personal goals and tasks in one application. The report develops both a functional design and a set of screen layouts for mobile and computer use. Its aim is to make everyday recording and review of financial information more accessible to individual users [1]. Earlier ICTU student work on related designs is included here for context [2], [3], [4], [5]. Related published studies provide context for the subject and methods [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 analyses the proposed application, describes income and expense management processes, and models interactions for adding and editing records. The design includes use-case, sequence, and class diagrams. Google AppSheet is then used to construct the application views. The implementation chapter documents the home page, personal goals, to-do items, finance entry, and statistical displays for mobile devices and computers. These documented interfaces provide the evidence for the summary of implemented features [1].

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III. Results

The report shows mobile and computer views of the finished AppSheet application. Users can reach the personal-goal and task screens and enter income and expense information in the finance section. The statistics section displays financial summaries, including separate views for income and expenses. The author states that the student project was completed, while also acknowledging unfinished parts and limited time and experience. No quantitative test of usability, data security, or personal financial benefit is reported [1].

IV. Discussion

The interface documentation supports a limited claim that the application provides the intended entry and review workflows on mobile and computer layouts. It does not establish how reliably the app performs for a larger user population or whether using it changes spending behaviour. The conclusion focuses partly on the author's learning process and acknowledges that some work remains incomplete. Further development should therefore concentrate on completing and checking the features against actual user needs [1].

V. Conclusion

The thesis delivers a cross-platform AppSheet prototype for tracking personal income and expenses. Its documented screens include financial entry and statistics as well as goals and tasks. The source provides interface evidence and a functional design, but does not give measured performance or outcome data. The author describes the project as completed for the course while noting limitations in time, experience, and implementation completeness. The resulting application is best understood as a documented student prototype for further refinement [1].

References

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