A Health Diary and Appointment Website for Minh Anh Health Center

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***Abstract*—This thesis develops Healthify, a website for recording patient health information and requesting appointments for Minh Anh Health Center in Thai Nguyen. The report reviews website architecture and the Model-View-Controller pattern, documents user requirements, and presents interfaces for patient and clinic workflows. It describes appointment requests, review or cancellation of upcoming visits, health history, physician selection, and clinic administration. The implementation chapter includes screenshots of the application. The conclusion lists these functions as achieved and proposes online payment, medicine ordering, and remote consultation as later extensions. Although the author expects shorter waiting times and improved management, the source does not measure those effects or provide a clinical deployment study. It also notes the need for continuing updates to protect personal information. The result is a documented website prototype whose operational and privacy performance remains to be evaluated.**

***Index Terms*—health diary, appointment scheduling, web application, patient records, MVC**

I. Introduction

Patients and clinic staff need to coordinate appointments and maintain relevant health information. The thesis proposes a web-based notebook and scheduling service for the named health center. It introduces common web technologies and the MVC organization before specifying patient and administrative tasks. The intended value is to make appointment information easier to view and manage. The report does not provide a controlled comparison with the center previous process, so expected service improvements should be distinguished from demonstrated functions [1]. Earlier ICTU student work on related designs is included here for context [5], [6], [7]. Related published studies provide context for the subject and methods [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 analyzes user roles and documents workflows for patients, physicians, and clinic administrators. The source describes data entry and web interfaces for patient details, appointment requests, selected doctors, specialties, and visit history. It discusses the MVC pattern and presents implementation screens of Healthify. Functional descriptions and screenshots form the principal evidence. No clinical data validation, privacy audit, or measured waiting-time study is specified in the manuscript [1].

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III. Results

The concluding section states that patients can create appointment requests for themselves or relatives, choose a physician or specialty and preferred visit time, view upcoming and previous appointments, and cancel requests. The report also describes functions for clinic staff to manage appointments and related information. Screenshots support that the website interfaces were built. The source does not show actual patient adoption, measured queue reduction, or verified improvement in health outcomes [1].

IV. Discussion

The prototype connects a health diary with appointment management, but health records require careful authentication and privacy controls. The thesis itself calls for regular updates to maintain information security. Online payment, medicine ordering, remote consultation, and artificial-intelligence analysis appear as proposed future directions, not implemented findings. Claims about lower cost or shorter waits are expectations that require data from real use. A later evaluation should test both workflow correctness and protection of sensitive information [1].

V. Conclusion

Healthify is documented as a website prototype for health records and appointment requests at Minh Anh Health Center. The source supports the presence of patient-facing scheduling and history functions through design material and interface views. It does not establish clinical deployment or measured gains in service quality. The author proposes additional online services and recognizes ongoing security work. Further evaluation with the center and privacy review would be needed before the system could be presented as a verified operational service [1].

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