
Beta Testing Document

for

Health++

Version **1.2**

Prepared by

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Date: 16/04/23



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| CONTENTS..... | II |
| REVISIONS..... | III |
| | |
| 1 INTRODUCTION | 1 |
| | |
| 2 LIST OF BUGS | 2 |
| | |
| 3 OVERALL QUALITY OF THE SOFTWARE..... | 7 |
| | |
| APPENDIX A - GROUP LOG | 8 |

Revisions

| Version | Primary Author(s) | Description of Version | Date Completed |
|---------|-------------------|---|----------------|
| 1.0 | Debuggers | Initialized the document and added the necessary details. | 09/04/23 |
| 1.1 | Debuggers | Updated the document regarding the bugs' status. | 16/04/23 |
| 1.2 | Debuggers | Final; updated the document regarding the bugs' status. | 23/04/23 |

1 Introduction

The current system of operations at Health Centre IITK is painstaking and inefficient for all stakeholders, including campus residents, doctors and the staff at HC. For a new appointment student has to carry Health Booklet which is a very primitive practice. Also there is no record of patient's medical history apart from what is written on Health Booklet. Apart from the above issues there is a lot of stuff which can be automated and make overall system more convenient for user and better management of records can become possible.

This software aims to address above problems by building a standalone software where user can do HC related tasks like booking appointment, leave request etc. quickly and efficiently without any requirement of Health Booklet. All medical records and appointments are stored in a digitized which ensures availability of data all the time. An option to book an ambulance is also provided which essentially reduce delay in rendering emergency services.

2 List of Reported Bugs

BUG 1: Patient - Book Appointment - Preferred Date Error

Tested Feature: Book Appointment

Tester Name: Aman, Swastik

Testing Date: 05/04/23

Bug Details: While booking appointments, after selecting the preferred date of the appointment, the preferred date of appointment was not visible in the textbox where we had to enter it. Instead, what was visible was "dd/mm/yyyy".

Bug Report Date: 09/04/23

Has the bug been fixed?: Yes

Date of Bug fixing: 16/04/23

BUG 2: Patient - Leave Application - Field Validation

Tested Feature: Leave Application

Tester Name: Aniket, Shrey

Testing Date: 07/04/23

Bug Details: In the Patient Login, while requesting for a Leave, we were able to enter invalid data in the Leave Application which led to errors. A possible solution could be to validate the data the user enters in the fields in the Leave Application.

Bug Report Date: 09/04/23

Has the bug been fixed?: Yes

Date of Bug fixing: 16/04/23

BUG 3: Receptionist - Appointment Viewing - Entire list can't be viewed

Tested Feature: Show appointments to Receptionist

Tester Name: Deven, Shubham

Testing Date: 06/04/23

Bug Details: In the receptionist login, we found that the receptionist can't view the entire list of all appointments.

Bug Report Date: 09/04/23

Has the bug been fixed?: Yes

Date of Bug fixing: 16/04/23

BUG 4: Blood Donation - Request not being removed from active list on being satisfied

Tested Feature: Blood donation

Tester Name: Kartik, Narendra

Testing Date: 08/04/23

Bug Details: The satisfied blood requests were not being removed from the active list.

Bug Report Date: 09/04/23

Has the bug been fixed?: Yes

Date of Bug fixing: 16/04/23

BUG 5: Edit User Profile

Tested Feature: User Profile

Tester Name: Goutam, Prashant

Testing Date: 07/04/23

Bug Details: It would be helpful if the above is possible to rectify typos made while editing.

Bug Report Date: 09/04/23

Has the bug been fixed?: Yes

Date of Bug fixing: 16/04/23

3 Overall Quality of the Software

The user manual is fairly detailed and clear. It explains the various functionalities available to each role in a concise manner. Screenshots in the user manual helped navigating the software easy. As a whole, the user manual is satisfactory.

The software is accompanied with an installation script, which automates the process of installation of various dependencies and modules. A launch script is also included, which makes it easy to run the software.

The codebase of the software is of good quality. The code is modular. The software has been separated into different folders which contain the code for major functionalities. While the code is not extensively commented, but the meaningful names of functions, variables and classes made it simple enough to navigate and understand. Overall, the code quality was satisfactory.

The software provides most of the features which might be expected from a Hospital Management System. It satisfies the major functional requirements, as per the Software Requirement Specification. The software also satisfies all the necessary non-functional requirements.

Overall, the software should be acceptable to the end user. A suggestion on part of the testing team would be that the developers of Health++ could focus on improving the user interface and design of the website, to make it easier for the users to navigate, and more pleasing to the eyes.

Appendix A - Group Log

| Sr. No. | Date | Activity | Participants |
|---------|------------|--|--|
| 1 | 01-04-2023 | We organised a meeting to plan the Beta Testing Timeline and decided to read the User Manual in detail and go through the SRS and SIS to understand the basics of the software by next two days. | Aman, Swastik, Kartik, Aniket, Shubham, Goutam, Shrey, Prashant, Deven, Narendra |
| 2 | 03-04-2023 | Formed five groups of 2 students amongst us and divided the components of the software to be tested between the groups. | Aman, Swastik, Kartik, Aniket, Shubham, Goutam, Shrey, Deven, Prashant, Narendra |
| 3 | 09-04-2023 | Discussed the bugs discovered and reported them. Also completed the Beta Testing Document wherever possible. | Aman, Aniket, Swastik, Narendra, Shrey, Shubham, Prashant, Goutam, Kartik, Deven |
| 4 | 16-04-2023 | Final Additions to the Test Document regarding status of the bugs. | Aman, Swastik, Kartik, Aniket, Shubham, Goutam, Shrey, Deven, Prashant, Narendra |