
Beta Testing Document

for

E-Vaidya

Version 1.2

Prepared by

Group: 5

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Course: CS253

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Date: 16 April 2023

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Revisions

Version	Primary Author(s)	Description of Version	Date Completed
1.1	Anuj, Dev Gupta	Updated the Introduction section of the document	10/04/23
1.2	Atulya, Pulak	Updated the final status of the issues raised along with the details of overall quality of software and completed the details about the various bugs.	16/04/23

1 Introduction

The project is aimed at automating the different tasks in the IITK Health Center. Currently, the entire medical history of the students is maintained in their individual health booklets. Prescriptions of medicines and vitals' measurements are noted on the same. This entire record is handled manually and is paper based. Due to this, the students have to carry the health booklet each time he/she visits the HC. Apart from that the appointment system, even though currently accessible through the OA portal, lacks user-friendliness as well as an integrated system. We aim to solve these problems through the software we are developing. Our software provides an intuitive and portable web-based interface which can be accessed from all devices. It allows Patients to book appointments and view their medical records and eliminates the need to maintain a paper-based health booklet. It also provides an easy interface for doctors to view the entire medical history of the Patient and easily prescribe treatment, thus simplifying and digitising the entire process of obtaining treatment at the HC.

2 List of Reported Bugs

BUG 1: Set Schedule can accept arbitrary values which may result in an error.

Tested Feature: Doctor Allotment (Receptionist)

Tester Name: A. Atulya Sundaran, Pinkesh

Testing Date: 9 April 2023

Bug Details: While Setting the Doctor's Schedule, we can enter arbitrary values for Doctor Name, Specialization and Room Number, which is added to the database.

Example: Atulya entered "Pulak" as a Doctor Name with the evening slot and specialization and room number as "231212". This set of inputs was indeed accepted by the Software.

Bug Report Date: 9 April 2023

Has the bug been fixed? YES

Date of Bug fixing: 16 April 2023

BUG 2: Unable to upload PDF

Tested Feature: Upload Medical Record (Receptionist)

Tester Name: Pulak Gautam, Deepanshu

Testing Date: 9 April 2023

Bug Details: When attempting to upload a PDF in Upload Medical Reports Functionality as a Receptionist, we get that the PDF has been uploaded successfully. However, we are unable to view the uploaded PDF in their medical records.

Example: Upload any PDF into the Medical Report Section

Bug Report Date: 9 April 2023

Has the bug been fixed?: **NO**

Date of Bug fixing: 16 April 2023

BUG 3: Appointment not visible to Doctor

Tested Feature: View Appointments (Doctor)

Tester Name: A. Atulya Sundaram, Vaishnavi

Testing Date: 9 April 2023

Bug Details: Once a Student/Patient books an appointment, it is not visible to that doctor even if the receptionist assigns the appointment to the Doctor.

Example: Enter any set of values in the Request Appointment Feature

Bug Report Date: 9 April 2023

Has the bug been fixed?: YES

Date of Bug fixing: 16 April 2023

BUG 4: Registration Field Validation

Tested Feature: Account Registration (All Users)

Tester Name: Kushagra Bhatnagar, Abhimanyu Sethia

Testing Date: 9 April 2023

Bug Details: A user can enter any arbitrary string in the short text input box be it email, roll no or name. This can lead very incorrect data to be entered into that field, and further incorrect results in further processes.

Example: All text input entries as 123456.

Bug Report Date: 9 April 2023

Has the bug been fixed?: YES

Date of Bug fixing: 14 April 2023

Any other comment: Slightly Glitchy when you have entered wrong information and moved on but want to edit the information by coming back.

3 Overall Quality of the Software

1. How good is the user manual? Was it easy to install and run the software?

The user manual is very good when it comes to traversing through the software once it has been deployed, because of the various pictures of each feature applied. However, when it comes to Installing the Software and setting it up, the team could have been more illustrative and elaborate. For a layman, it would be very challenging.

2. How is the quality of the code? Is it well documented? Is the code modular? Are the variables and the function names meaningful?

The code is well organised and can be understood easily. The variable names are easily understandable, and one can easily understand what is going on within each functionality. Although the readability of the code could be increased by adding more comments, the functions and variables are adequate.

3. Do you think that the software lacks some major features that may make it less acceptable to the user?

The software contains most of the feature one would expect, even a few features that Team Starbugs (the testing team) could have improved on. Although, the team could have focussed on fewer features and refined their software.

4. Does the software not satisfy any major non-functional requirements?

It satisfies the major functional requirements, as per the Software Requirement Specification. The software also satisfies all the necessary non-functional requirements that the team could test. The team could not test the Performance of the Software during high traffic but we know that it can handle at least 10 users simultaneously. It is Safe, as far as the students could test. It is usable and portable, although the interface for phone users could be improved.

Appendix A - Group Log

Date of meeting	Duration of meeting	Agenda of meeting
7 th April 2023	1hr 30mins	Discussed the procedure of beta-testing and distributed work. Further, scrounged the project for issues/bugs.
10 th March 2023	1hr	Collectively discussed the found bugs and formed bug reports.
14 th March 2023	1hr 30mins	Discussed the bug reports received on our project and resolved the same.