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# Beta Testing Document

for

## HC Reimbursement Digitization

Version 1.2

Prepared by

Group 6

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## Revisions

Version	Primary Author(s)	Description of Version	Date Completed
Initial Draft v1.0	Harsh, Shorya, Gaurav	Initiated the Document, Added Bug 1, 2, 3 and 4	21/04/22
Revised Draft v1.1	Sanchit, Harsh, Gaurav	Added the 'Introduction' and 'Overall Quality of the Software' sections	22/04/22
Revised Version v1.2	Harsh, Gaurav	Added Bug 5 and edited information related to Bug 1, 2, 3, and 4	23/04/22

# 1 Introduction

In most of the government colleges and government departments, people need to travel to different cities/countries for higher studies/projects/seminars. In such cases, Travel Allowances are provided to the students and employees by the Institute/Department which include the cost of travel, food, and accommodation. After the return of the concerned person, and verification of the application, the expenditure is dispensed into his/her Bank A/C. Currently, this process involves an offline submission of the application along with the required bills/tickets. But this process takes a lot of time and paperwork. Also, it requires them to preserve the copies of bills to present them with the form.

So, this software aims to solve this problem by building a portal where the user will directly submit the copies of all bills and tickets combined as a pdf. The pdf can also be verified online and after that the Accounts Cell will transfer the appropriated amount to the user's bank A/C.

## 2 List of Reported Bugs

**BUG 1:** Cannot Update Profile Details

**Tested Feature:** Updating 'My Profile Page'

**Tester Name:** Shorya Kumar

**Testing Date:** 19/04/22

**Bug Details:** All the fields on the 'My Profile' Page are disabled and the user cannot find any way to update my profile details. There should be an 'Update' button and the fields should be made editable for the user (at least some of them).

**Bug Report Date:** 19/04/22

**Has the bug been fixed?:** Yes

**Date of Bug fixing:** 23/04/22

**Any other comment (for example, how satisfied are you with the bug fixing):** This bug led to a number of cascaded bugs, due to which the beta testers were unable to test the software further for the time being.

**BUG 2: Incorrect Email-ID Information**

**Tested Feature:** Email ID field on 'My Profile Page'

**Tester Name:** Harsh Kumar

**Testing Date:** 19/04/22

**Bug Details:** The 'Email-ID' field on the 'My Profile Page' displays the wrong email id. It displays the same dummy email id - '[user@iitk.ac.in](mailto:user@iitk.ac.in)' for all users.

**Bug Report Date:** 19/04/22

**Has the bug been fixed?:** Yes

**Date of Bug fixing:** 23/04/22

**Any other comment (for example, how satisfied are you with the bug fixing):**

**BUG 3:** No Required(\*) fields indicated

**Tested Feature:** 'Application Form' page

**Tester Name:** Shorya Kumar

**Testing Date:** 19/04/22

**Bug Details:** Whenever any required field is left empty in the 'Application Form', the user is shown the error message "This field is required" but there is no indication as to which fields are actually required and have been left blank/incorrectly filled by the user. There should be some indication (like an asterisk mark, i.e. "\*") beside the 'required' fields to let the user know that those fields need to be filled correctly mandatorily.

**Bug Report Date:** 19/04/22

**Has the bug been fixed?:** Yes

**Date of Bug fixing:** 23/04/22

**Any other comment (for example, how satisfied are you with the bug fixing):** When the user submits a form (leaving some 'required fields' blank), the form fields get reset and the error message "This field is required" is shown without indicating which fields are required. This leaves the user in a disarray as he/she has to fill the form again without knowing which field had the issue. The same happens for the beta testers too.

**BUG 4:** Cannot submit Application Form

**Tested Feature:** Submission of an 'Application Form'

**Tester Name:** Harsh Kumar & Gaurav Kumar

**Testing Date:** 19/04/22

**Bug Details:** Following Bug 1, the 'Roll No.' field is blank for the user. Hence, the user is unable to submit an 'Application Form' as the 'Roll No.' field also seems to be a required field in the 'Application Form'.

**Bug Report Date:** 19/04/22

**Has the bug been fixed?:** Yes

**Date of Bug fixing:** 23/04/22

**Any other comment (for example, how satisfied are you with the bug fixing):** This was a very small but major bug because, as beta testers, we were not able to proceed further with our testing. After the bug was fixed, we could proceed with our beta testing.



*BUG 5: Incorrect date in the 'Date Field'*

*Tested Feature: 'Date' field 'Application Form'*

*Tester Name: Harsh Kumar*

*Testing Date: 23/04/22*

*Bug Details: The 'Date' field of the 'Application Form' takes any input as correct input. Even dates like 00/00/0000 are considered as correct input.*

*Bug Report Date: 23/04/22*

*Has the bug been fixed?: Yes*

*Date of Bug fixing: 23/04/22*

*Any other comment (for example, how satisfied are you with the bug fixing): Impressed as the bug was fixed really fast.*

### 3 Overall Quality of the Software

The software succeeded to serve its main purpose. The bugs cited above were removed and the issue resolved and the beta testers were able to proceed further in the beta testing process. The results were quite satisfactory.

Due to some compatibility and package conflicts, the beta testing was done on the hosted website (<https://ta-reimbursement-project.herokuapp.com>) instead of running the files from the GitHub repository on the local machine.

The response from the development team was quite slow, due to which major bugs (like Bug #4) remained unresolved for quite some time. Due to this, the beta testers did not get enough time to test the software properly.

There were no major features lacking for this software. All functional and non-functional requirements were fulfilled. A suggestion from the beta testing team to the development team would be that the development team can focus on improving the user interface of the software and making it user-pleasing.

## Appendix A - Group Log

- All the meetings and discussions were organised informally over group discussion and social media platforms like *discord* & *whatsapp*.
- Informal discussions were organised to get started with the testing work and to discuss any other issue.