CS673 Software Engineering

Team 6 - College Street

Software Test Document

Your project Logo here if any

Team Member	Role(s)	Signature	Date
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Aishwarya Raja	Configuration Mgmt	*Aishwarya Raja*	11/9/2023
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Vedant Gupta	Design/Product Implementation	*Vedant Gupta*	11/9/2023
Yin Xiancheng(Xanthus)	DevOps (combine of FE/BE, domain, ...)	*Yin Xiancheng*	11/9/2023
Chenyang Lyu (Nick)	Front-End Lead	*Chenyang Lyu*	11/9/2023

Revision history

Version	**Author**	**Date**	**Change**
1.0	**Steve/Nidhi**	**11/10/2023**	**Writeup**

- # Testing Summary

  In this section, you will summarize what was tested, who is involved in testing, testing techniques used, and testing result. You may have the following tests
  - Unit Testing : Testing of individual components, modules, or functions in isolation.
    - identifying and addressing code-level issues.
    - Involvement : FE/BE Team members ; QA lead
    - Technique : Test individual components
    - Testing Results :
  - Integration testing : Testing the interaction between different components or modules.
    - detect interface issues and data flow problems.
    - Involvement : Config lead ; QA lead
    - Technique : Testing combined interaction with multiple components
    - Testing Results : Data flows properly, not found combined issues
  - System Testing : Assessing whether the system meets its defined requirements.
    - discover system-wide defects and issues.
    - Involvement : Design lead ; Config lead ; QA lead
    - Technique : System Functionality and Performance
    - Testing Results : System met the requirements
  - Acceptance Testing : Validating that the system satisfies the end-users' requirements.
    - system meets functional and non-functional criteria
    - Involvement : Team lead ; Design lead ; QA lead
    - Technique : Validate with user requirements/stories
    - Testing Results : UI flows met requirements, but UX and Interfaces need attention
  - Regression Testing : Ensuring that new changes have not introduced unintended side effects
    - ensure the system's stability after modifications
    - Involvement : Config lead ; QA lead
    - Technique : Automate testing, ensuring new feature do not affect existing

- Testing Results : No Testing done, tentative for Iteration 3

Manual Testing Report

In this section, you will give a detailed description of each manual test case performed and the result. If this is a previous You shall list what are existing tests developed in the previous semester and what are new tests developed currently.

Here is a sample template that can be used for each test case. For system tests or acceptance tests, you may also include some screenshots.

- Test case ID, name
- New or old:
- Test items: (what do you test)
- Test priority (high/medium/low)
- Dependencies (to other test case/requirement if any):
- Preconditions: (if any)
- input data:
- Test steps:
- Postconditions:
- Expected output:
- Actual output:
- Pass or Fail:
- Bug id/link: (this should link to your github issue id)
- Additional notes:

(You can use an additional spreadsheet for this section as well)

Sr No	Test Case	Acceptance Criteria	Result	Comments
1	Login	1 - The user should be able to login using their username and password. 2 - On keeping any fields empty and clicking login there should be a promo to ask user to enter the required details 3 - Error message should be printed on giving wrong email or password 4 - After logging in, user should be directed to marketplace page	33% - Pass	1 - The error messages will be used in the next iteration 2 - After logging in, user lands on landing page and has to click on marketplace page
2	Registration	1 - The user should be able to register on using only their .edu emails 2 - The user should be prompted to enter the	Fail	1 - User is not restricted to .edu emails. 2 - The error messages will be

		required fields on clicking submit if the fields are empty. 3 - There should be an error message when user enters an existing email		implemented in the next iteration
3	Forgot Password	1 - On clicking forgot password, the user will be taken to a new page where they can change the password	Fail	Forgot password feature functionality will be implemented in the iteration 3.
4	Contact Us	1 - The user should be able to send an email to the team member after entering their details 2 - The phone number acceptance should be of length of just 10 digits. 3 - Only .edu emails accepted	Fail	1 - The phone number accepted is not of length 10, all email types accepted
5	Add product	1 - User should be able to add(create) product to the marketplace and it should be displayed in the marketplace page. 2 - User should be able to add png and jpg image types.	Pass	User is able to add products
6	Delete Product	1 - The user should be able to delete their own product which they have posted. 2 - After deleting the product, user should be directed to marketplace page	Partial pass	1 - User is able to delete their own posted products. 2 - After deleting the product, user doesnt navigate to the marketplace page.
7	View Profile	1 - User should be able to check other user's profile and see which products are they selling and their email id.	Pass	1 - User is able to view other user's profile and see what they are selling and their email id.
8	User Profile	1 - User should be able to edit their own profile, right from change password to changing their name.	Fail	It will be implemented in iteration 3
9	Search	1 - User should be able to search about a particular product.	Pass	User is able to search for any product.

10	Edit Product	1 - User should be able to edit product listing and save it.	Fail	It will be implemented in iteration 3

- ## Automated Testing Report

  Describe briefly the automated testing you have done, including where the test code resides in your code repository, what test frameworks are used, and the screen shots or generated testing report.

  - Automation testing will be done in the Iteration 3.
  - Cypress will be used for Component and end to end testing. The code for Component testing is written but will be changed accordingly in the next iteration.

- ## Testing Metrics

  In this section, you shall report any metrics used for the evaluation, e.g. # of test cases, test coverage, defects rate, etc.

  We will run this in Iteration 3

  Number of Test Cases:
  Test Coverage: %
  Defects Rate: % (measured as defects per functional point)

- ## References

- ## Glossary