

**Project Research Log**

Charity Second-hand Online Store

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| Researcher: | Guozhi Yin |
| Date: | 3th March 2020 |
| Resources: | https://www.trademe.co.nz |
| Topic: | Research product function |
| Comments | |
| According to the client’s requirements, I did research to know how to design the functions of the website.   1. I knew that how many input items for the function of registration. So, I can what personal information is important. 2. I did research to find out how to put an item into the shopping cart. 3. What contents are good to be displayed on the main page. 4. What contents are included in the about us and contact us. 5. I understood how to bid for an item. 6. The personal information can be modified. 7. The bid history is important. | |

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| Researcher: | Guozhi Yin |
| Date: | 10th March 2020 |
| Resources: | https://www.jianshu.com/p/97fd99e38d71 |
| Topic: | Research prototype skills |
| Comments | |
| I have not used the prototype tool for many years. I need to do some research to know how to use it.   1. I knew how to use all kinds of libraries. 2. I understood how to use toolbar. 3. I understood how to add text into an item. 4. I knew how to use the style panel. 5. I understood how to control the outline panel 6. I understood how to hide a function layer. (Right click the mouse and set to hide layer) | |

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| Researcher: | Guozhi Yin |
| Date: | 27th March 2020 |
| Resources: | <https://www.tutorialspoint.com/system_analysis_and_design/system_analysis_and_design_quick_guide.htm>  <https://www.slideshare.net/SidS9/system-analysis-and-design-project-49692988>  <https://www.techwalla.com/articles/how-to-write-an-analysis-design-document-for-a-software>  <https://en.wikibooks.org/wiki/Systems_Analysis_and_Design/Introduction> |
| Topic: | System analysis and design document |
| Comments | |
| I did research to know how to write the system analysis and design document so that I can achieve a better quality.   1. System objectives, background, resource, costs and benefits are important for the summary section. 2. I should list the milestones in the document. 3. A system overview is necessary. 4. System hardware, software, network are important to list. 5. Functional requirements and Non-functional requirements are necessary. 6. How to write data model section. To write entity relationship diagram and data dictionary. 7. The prototype should be put into it. | |

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| Researcher: | Guozhi Yin |
| Date: | 2th April 2020 |
| Resources: | <https://www.ministryoftesting.com/dojo/lessons/how-to-write-a-software-test-plan>  <http://softwaretestingfundamentals.com/test-plan/>  <http://www.requirementdriventesting.com/how-to-test-plan/>  <https://zhuanlan.zhihu.com/p/30938725>  <https://jingyan.baidu.com/article/e73e26c0f3fa2b24acb6a74b.html>  <https://blog.csdn.net/zhusongziye/article/details/79718921> |
| Topic: | Testing plan |
| Comments | |
| I did research to know how to prepare the testing plan.   1. Testing purpose, testing scope, testing reference documentation are important for the overview section. 2. I should list the test environment in the document. 3. A list of human resources is necessary. 4. What methods we will use to finish the phase. 5. What data we need to prepare. 6. I need to write the test schedule in it so that we have a good schedule plan. | |

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| Researcher: | Guozhi Yin |
| Date: | 2th April 2020 |
| Resources: | <https://www.cnblogs.com/findyou/p/6480411.html>  <https://en.wikipedia.org/wiki/Software_testing>  <https://www.thebalancecareers.com/all-you-need-to-know-about-software-testing-methods-4019921>  <https://www.softwaretestingmaterial.com/software-testing/> |
| Topic: | Research test method |
| Comments | |
| I did research to know which method is the best to test the website.   1. I decided to use the method of black box to test the system 2. I can use the method of integration testing, system testing and user acceptance testing. 3. Integration testing is to test between a couple of unit tested modules 4. System testing is to test the fully integrated application, and this is also called as an end to end scenario testing. 5. User acceptance testing is to obtain customer sign-off so that software can be delivered and payments received. | |

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| Researcher: | Guozhi Yin |
| Date: | 3th April 2020 |
| Resources: | <https://www.guru99.com/test-case.html>  <https://www.guru99.com/test-case-vs-test-scenario.html>  <https://en.wikipedia.org/wiki/Test_case>  <https://www.softwaretestinghelp.com/how-to-write-effective-test-cases-test-cases-procedures-and-definitions/>  <https://blog.testlodge.com/what-is-a-test-case-in-software-testing/>  <https://www.tutorialspoint.com/software_testing_dictionary/test_case.htm> |
| Topic: | Research test case |
| Comments | |
| I did research to know how to write test case.   1. Test case ID, description, and prerequisite are important. 2. Test data should be prepared. 3. The expected result and the actual result should be written. 4. After testing, the result should be written. 5. Write comments to let developer know the detailed information. 6. The test data should include positive and negative data. | |

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| Researcher: | Guozhi Yin |
| Date: | 15th May 2020 |
| Resources: | <https://dev.mysql.com/doc/mysql-osx-excerpt/5.7/en/osx-installation-pkg.html>  <https://dev.mysql.com/doc/refman/5.7/en/osx-installation-pkg.html>  <https://vladster.net/en/instructions/install-mysql-mac/> |
| Topic: | Research MySQL installation on MAC |
| Comments | |
| I did research to know how to install MySQL on MAC.   1. I downloaded MySQL from the website of MySQL. 2. Double click the installation package to install it. 3. I understood how to create a database. 4. I know how to start or stop the database.   ( sudo -s  cd /usr/local/mysql-5.7.26-macos10.14-x86\_64/support-files  ./mysql.server start/stop/restart ) | |

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| Researcher: | Guozhi Yin |
| Date: | 15th May 2020 |
| Resources: | <https://dev.mysql.com/doc/refman/8.0/en/resetting-permissions.html>  <https://stackoverflow.com/questions/7534056/mysql-root-password-change> |
| Topic: | Research reset root password |
| Comments | |
| I did research to know how to reset the password of root account.   1. I understood how to reset the password.   ( sudo passwd root  Current user’s password  Root’s password  Retype root’s password  ) | |

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| Researcher: | Guozhi Yin |
| Date: | 15th May 2020 |
| Resources: | <https://support.apple.com/en-nz/guide/mac-help/mchlp1203/mac>  <https://www.chriswrites.com/how-to-change-file-permissions-using-the-terminal/>  <https://www.macinstruct.com/node/415> |
| Topic: | Research folder permissions modification |
| Comments | |
| I did research to know how to modify folder permissions on MAC.   1. I changed the permissions of the Tomcat folder so that I can modify the specific file in the folder. | |

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| Researcher: | Guozhi Yin |
| Date: | 19th May 2020 |
| Resources: | <https://www.dozuki.com/blog/2017/01/12/how-to-write-a-user-manual>  <https://www.userfocus.co.uk/articles/usermanuals.html>  <https://owlcation.com/humanities/How-to-Write-a-User-Manual>  <http://www.user-manual-template.com>  <https://templatelab.com/instruction-manual-templates/> |
| Topic: | Research user manual |
| Comments | |
| I did research to know how to write the user manual.   1. I need to list the different role of the system. 2. Screenshot is necessary. 3. Operation steps are important for user to understand. 4. Brief description is needed in it. | |