**Introduction to Software Engineering**

**Writing your Test Report**

A Test Report contains a discussion and analysis of the results of the testing activities. It describes the various types of testing that were conducted, the purpose of conducting these tests, and the methods employed. It presents the results of conducting the different tests, with emphasis on those aspects of the software that failed the test and what caused these failure to occur (i.e., sequence of user inputs that led to the occurrence of failure and discovery of the bug; performance issues; usability concerns that render the software to be unable to support the user task; defects in design and coding that affected the software’s performance or may affect the maintainability of the software).

De La Salle University

College of Computer Studies

Software Technology Department

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**<SOFTWARE NAME>**

TEST REPORT FOR ITERATION 1 USER STORIES

|  |  |
| --- | --- |
| **Team Name** | **Blue Barracudas/Red Jaguars** |
| **Section** |  |
| **Team Members** | In alphabetical order based on surname  <surname>, <firstname> <m.i.>  <surname>, <firstname> <m.i.>  : |
| **Date Submitted** |  |

1. **Introduction**

In paragraph form, give a brief discussion of:

1. The software that was tested
   * What is the software?
   * What is the main objective of the software?
   * Give a brief overview of the priority iteration 1 user stories
2. The types of testing that were performed

* Specifically, black box, function, performance, usability, design and code reviews
* The purpose of conducting these tests (Why did you perform each of these tests? What did you intend to find out?)
* The methods employed in doing these tests (How did you perform each of these tests?)

1. **Contribution Log**

**Validation Testing**

|  |  |  |
| --- | --- | --- |
| **Test Case ID – User Story** | **Writer** | **Tester** |
|  |  |  |

*Example*

|  |  |  |
| --- | --- | --- |
| **Test Case ID – User Story** | **Writer** | **Tester** |
| 1 – Add Shirt | Louisa Banigan | Juan Paolo Reyes |

**Note:** *Writer refers to the author of the test case.*

**Verification Testing for Design**

|  |  |
| --- | --- |
| **Design Artifact Reviewed** | **Reviewer** |
|  |  |

*Example*

|  |  |
| --- | --- |
| **Design Artifact Reviewed** | **Reviewer** |
| **Database:** | |
| Entity Relationship Diagram  ER to Table Mapping | Juan Paolo Reyes |
| **User Interface:** | |
| ViewShirt.java | Phoebe Marquez |
| ViewOrder.java | Raina Salazar |
| **Classes:** | |
| Shirt.java, ShirtManager.java | Phoebe Marquez |
| Order.java, OrderManager.java | Raina Salazar |

1. **Software Summary**

*This section is supposed to clarify the state of the software you received for review. How complete or incomplete was it when you performed the testing?*

|  |  |  |
| --- | --- | --- |
| **ID - User Story** | **Priority** | **Progress** |
| <id> - <name> | <high/med/low> - <value> | <complete/incomplete  /not working/missing> |
| 2 – Record Purchase | HIGH - 10 | INCOMPLETE – no validation on user inputs but can compute total and can save into database |
| 4 – View Shirt List | MED - 30 | MISSING |
|  |  |  |
|  |  |  |
|  |  |  |

<id> is from the Project Plan

\*Highlight the missing features in red

1. **Test Cases with FAIL Result**

*\*Arrange by severity:*

* *critical:* Inconsistent data is stored on the database, system crash with data loss
* *major:* Process aborts or terminates before completing the task, system crash, major functionality malfunction, functional issue with difficult work around
* *minor:* Minor functionality malfunction, functional issue with simple workaround, critical usability issue
* *trivial:* Typo, grammar mistake, misspelling, wrong terminology; General usability issue; Stylistic issue and details

|  |  |  |
| --- | --- | --- |
| **User Story ID - Name** | **Problem Description** | **Severity** |
|  | **<lifted from Test Cases>** |  |

1. **Design and Code**

*Use this format for both Design and Code Review. You can separate them into different tables for clarity of presentation.*

|  |  |  |
| --- | --- | --- |
| **Sequence ID** | **Problem Description** | **Instances (Class – Line # / Entity / UI)** |
|  |  |  |

**Appendix A. Test Cases with Results and Findings**