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| REV | Change history | Zone | Changed By  Date | Approved  Date |
| 01 | Initial Draft | ALL | Varnitha 02/23/2020 |  |
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| Drawn  Varnitha | Date  02/23/2020 | Title  Sample Quality Assurance Plan | |
| Checked  Shalini Garikapati | Date  02/25/2020 |
| Approved  Shelly chowdary | Date  02/25/2020 | Part no.  0003 | Revision  01 |

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# Introduction

The purpose of this document is to provide the software development plan for Real Estate Application

# Terms, Acronyms, and Abbreviations

# References

# Standard and regulatory references

(if applicable) *Standard and/or regulatory document names and revisions*

# Software Quality Assurance Activities

# Proposed Reviews for the Project

|  |  |  |
| --- | --- | --- |
| **Project artifact** | **Type of review** | **No. and type of reviewers** |
| Requirements and documents | Managerial review | Varnitha, Grace |
| Design documents | Managerial review | Grace, Shalini |
| Source code | Guided walkthrough | Shelly, Sravani |
| Project plans | Meeting review | Varnitha , Shelly |
| Test plans | Meeting review | Shalini , Grace |
| Test cases | Guided walkthrough | Shelly , Varnitha |
| Test results | Guided walkthrough | Sravani , Grace |
| Table scripts | Managerial review | Shalini , Varnitha |
| User documentation | Managerial review | Varnitha , Sravani |
| Operation documentation | Managerial review | Grace , Shelly |
| Others | Meeting review | Sravani , Shalini |

# Proposed Test Strategy for the Project

The software testing for this project will include:

Functional Testing : Functional testing involves the testing of the functional aspects of software application. When performing functional tests we give desired inputs and examine the outputs and we check if we are getting the desired outputs or not.

Unit Testing: Unit testing is process of ensuring individual components of a piece of software at the code level are functional and work as they were designed to. Unit testing make debugging easy because finding issues earlier means they take less time to fix than they were discovered later in the testing process.

Acceptance testing:

This testing is done for the acceptability. It is to evaluate the system’s compliance with the business requirements and access whether it is acceptable for delivery or not.

# Proposed Tests for the Project

Functional Testing: Functional testing involves the testing of the functional aspects of software application. When performing functional tests,`1 we give desired inputs and examine the outputs and we check if we are getting the desired outputs or not.

Unit testing: in this testing the individual units of the software are tested.

Integration testing: After unit testing each unit is thoroughly tested, it is integrated with other units to create modules or components that are designed to perform specific tasks or activities.

System testing: System testing is a black box testing method used to evaluate the completed and integrated system, as a whole, to ensure it meets specified requirements.

Acceptance testing: Acceptance testing is the last phase of functional testing and is used to access whether or not the final piece of software is ready for delivery.

Negative testing: This testing checks for unexpected conditions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project test unit** | **Type of tests proposed** | **Test environment** | **Who will conduct the test** | **Pass/fail criteria** |
| Program unit | Unit Test, System Test,  Integration Test, | IDE : Netbeans 11.1  DataBase : MYSQL  Code : java version 8  OS : Windows | Peer | PASS |
| Submodule | Unit Test,  Functional Test | Windows | Peer, Testing Team | PASS |
| Module | Negative Test  Functional Test | Windows | Testing Team, peer | PASS |
| Product | System Test  Functional Test | Windows | Project Leader, client ,Testing Team | PASS |
| Each customer release | Acceptance Test, User testing  Functional Test | Target environment | Software Project Manager, Project Leader, Client | PASS |
| Product | Acceptance Testing |  | Customer | PASS |

# Tools, Techniques and Methodologies

Automated Testing Tools: Postman : This is a powerful set of API testing tools that have become necessary for many developers. Postman helps to create great products that help create stunning APIs and improve development productivity. Its main feature is an intuitive UI with large and flexible functionality. There is no such request that cannot be done through it

Scenebulider, javafx, java13

# Casual Analysis Proposed

(To be completed later in the semester)