**MASTER TEST PLAN- GURU BANKING PROJECT**

**SUBMITTED TO**:

PROFESSOR STANLEY UKAH

**SUBMITTED BY GROUP 1**:

AKRITI SINGH – 126774207

afreen – 142851211

Afaounodden Ahmed Mohammed – 104492210

RINI GEORGE- 137051215

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**Guru Banking**   An E-Banking Platform for Customers

**Efficient online banking systems application**

*Master Test Plan*

***Version 1.4***

*13/02/2022*

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1. **TEST PLAN IDENTIFIER**

**GB\_EOBSA\_1.4**

1. **REFERENCES**

* Software Requirements Specification Document and Project Plan for the Guru Banking Project.
* Test Standards, Change Management document, Test Plan Document, and Cost Estimate.
* Business Requirement Document (BRD), Initial Draft
* Application Management Policy and Practices Standards.

1. **INTRODUCTION**

An outline of the Master Test Plan for a product project planned to further develop Guru Banking, an application of the executive’s framework (AMS) for Banking Solutions. The aim is to cover just those parts and highlights that will, straightforwardly and roundaboutly, sway the application of the executive’s activity. We are trying the Guru Banking application to learn whether it works with uprightness and realness by safely trading data between clients. Make a test plan by copying another test plan

Partner the test plan with a group region and consume an emphasis from the related timetable. Add a Test Scope area to the test plan and allot its fruition to a colleague

Characterize business destinations, test targets, quality objectives, and entry and leave models. Make an evaluation of the test exertion and make a test plan depiction and use it as the reason for another test plan There are plans for each level in the methodology area, which are then developed in the level-explicit plans.

1. **TEST ITEMS**

|  |  |  |
| --- | --- | --- |
| **SECTION** | **FUNCTION** | **CHECK** |
| **Users** | Generating User Accounts on Customer Portal  Verify admin login with valid and Invalid test data | Mandatory |
| Verify the admin login with test data, links for an admin role, admin change login with valid and invalid test data. | Mandatory |
| Content Processing Filters for Sorting, search availability | Mandatory |
| User Account managing | Requisite |
| **Content** | Content Create/upload/edit/removal options for specified file formats | Mandatory |
| Analyzing changes made to the content by admin accounts to all other user accounts with authorization. | Mandatory |
| Upload option for the supported file format from both device and online sources for admin and user accounts. | Mandatory |
| Content Script available to admin accounts | Requisite |
| Website available to admin accounts | Requisite |
| Seamless transition from admin console to editing console. | Mandatory |
| settings available for certain content uploaded | Mandatory |
| Create a branch with valid test data and without test data or existing branch data. | Mandatory |
| **General Settings** | Verify the customer login with test data | Mandatory |
| Date Format for all accounts to accommodate consistency with National and International accounts. | Mandatory |
| Dashboard Appearance settings | Mandatory |
| Check the cancel option is working, account with and without dependencies. | Mandatory |
| Integration with ERP systems and responds browser | Requisite |
| Update bank details with data | Requisite |
| Availability of discussion board for communication platform between user accounts and admin accounts | Requisite |
| **Security** | Access Granting Features for the admin account to prevent unauthorized access from user accounts to restrictive data. | Mandatory |
| Availability of admin pages to users | Mandatory |
| Resist any potential attacks | Requisite |
| Security Check scanning systems integration | Requisite |

1. **SOFTWARE RISK ISSUES**

* User Profiles facilitate the use of control as practical. Account setup methods and sharing of fraudulent materials, site infiltration, and systems vulnerability would be reduced.
* Verify that operating systems, Compliance issues, software programs, and extensions, those from third parties, are upgraded.
* Utilize the efficient capabilities of the Clouds servers.
* Fix the login details to assure that profiles are configured accordingly.
* Inability to distinguish complex functionalities and time expected to foster those functionalities.
* To limit outer methodical outputs filtering renditions in which weaknesses win, change the default naming of expansion documents to cover the form number.
* Set up a testing plan that features work process methodology that contributes towards hazard alleviation.
* Begin introducing an enemy of infection and server security checking bundle. Security observing and following, including demands at head login.

1. **FEATURES TO BE TESTED**

The following are the features that should be tested in an Application Feature test for banking.

1. Customer Registration feature
2. New customer
3. Initial deposit field validation
4. Generate button validation
5. Account number field validation
6. Account creation and management feature
7. Accounting system
8. User ID field Validation
9. Account type option validation
10. Delete button validations
11. Customer Help System
12. Automated Security Alert System
13. Admin dashboard
14. Processing and executing of money transfers
15. Maintain and execution of balance request
16. Customer registration systems
17. Cheque deposit system

18. Display transactions

19. Account registration

1. **FEATURES NOT TO BE TESTED**

The features listed below require additional software for testing:

1. Performance testing
2. Allotting Loan periods
3. Upkeeping Customer records
4. Informing Bank Holidays
5. Customer volume testing
6. Money payment module.
7. Funds transfer module
8. Login using security and OTP features.
9. **APPROACH**

* When advancement testing is done, a Validation review is embraced to affirm the last understanding from all partners that the Guru Banking application is prepared to begin approval testing. VRR will likely guarantee that all conditions for approval testing have been met.
* Every significant finding, goal, and related test result from all finished approval and execution testing is introduced to all partners and senior authority in an Operational review (ORR) to affirm the last understanding that the mechanized Guru Banking is prepared to move for functional testing. The ORR needs to ensure that every one of the circumstances for functional testing has been met.

1. **ITEM PASS/FAIL CRITERIA**

* When the issue that caused the suspension had been settled, trying exercises can be continued.
* Any circumstance which hinders the capacity to keep testing or worth in performing testing leads to suspending testing exercises.
* Endorsement Criteria: A thing will be considered as 'Pass' assuming it meets the 'Normal Outcome' characterized in the relating experiment.
* Ease of use testing will be viewed as insignificantly complete in the wake of testing one person in every one of the client classes during every one of the testing stages. During acknowledgment testing, every one of our necessities from our Requirements Document will be set apart as "not acknowledged".

1. **SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS**

* The Guru Banking Application framework testing can be postponed/halted if the application isn't accessible which might occur because of plenty of reasons.
* The substance of the board framework testing can be postponed on the off chance that the charge installment module is tried on the off chance that the exchange can't go ahead because of the mistake in the sum calculation from the bank.
* The substance of the board framework testing can be postponed on the off chance that the Verification module testing process can't go through because of a miscommunication from Google or a security verifier.
* A specific occasion shuts down advancement and testing
* Assuming a Bug arises until the specific tests are suspended until the bug is fixed.

1. **TEST DELIVERABLES**

* Test report: It contains every one of the occurrences, settled or unsettled occurrences that are found while testing the product.
* Test conclusion report: It gives a very minor examination of the bugs found, bugs eliminated, and errors found in the product.
* Discharge Note: Release notes will be shipped off to the client, client, or partners alongside the form. That contains a rundown of new deliveries, bug fixes.
* Establishment/design guide: This assists with introducing or arranging the parts that make up the framework and its equipment and necessities.
* Client guide: This guide gives help to the end client on getting to the product application.
* Test status report: It is ready on an intermittent or week after week premise. It contains work done work to date and work stays forthcoming.

1. **REMAINING TEST TASKS**

These documents will be made because of testing activities:

* Identify testable requirements Identify the scope and purpose of testing before starting the test process.
* Every test case should include only the necessary and relevant steps.
* Each test case must have a unique name. This will help classify, track, and review test cases at later stages.
* Deployment and integration tests on actual systems to be used for all potential users of the management system.

1. **ENVIRONMENTAL NEEDS**

* Testing process is postponed and several bugs might shoot up.
* May bring about helpless arrangements and undesirable outcomes.
* Test Server - A test server arrangement to help the testing system.
* Network - An organization arrangement like LAN, WLAN, or any remote medium to satisfy the prerequisite of the web.
* PC arrangement - A PC arrangement for testing the application from various programs and looking at its availability.
* Bug Reporting - A bug announcing instruments for bug revealing, documentation and examination.
* Windows phone emulator and Bug reporting tools
* Mobile-based platforms for installation on client platforms like KitKat or IOS.

1. **STAFFING AND TRAINING NEEDS**

* The Program Development Manager (PDM) will be utilized as the source rendition design the executive’s apparatus related to the in-house registration/look at control utility. The registration/out utility is essential for every designer’s standard AS/400 access menu.
* The underlying models for the new screens will be created utilizing the AS/400 Screen Design Aid (SDA). The underlying format and general substance of the screens will be displayed to the business organization staff preceding the procedure with testing and advancement of the screens.
* The HP ALM (Application Lifecycle Management) will be used to assist with the test plan, test scenarios, test cases, and test execution along with tracking defects found by the test teams and resources which do not have hands-on experience with ALM will be provided Hands-on Training.
* All altering, accumulating, and investigating will be finished utilizing the Source Entry Utility (SEU).
* Information obtaining will be from genuine creation records where accessible utilizing the AS/400 information base duplicate order and its different capacities. Extra information will be made and changed depending on the situation utilizing the Data File Utility (DFU). No progressions will at any point be made to genuine creation records under any conditions.

1. **RESPONSIBILITIES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **PM** | **QA** | **BA** | **Test Analyst** | **Test Team** | **DT** |
| **System design document review** | X |  | X |  | X | X |
| **Configuration Management testing** | X | X |  | X | X |  |
| **Debugging and executing test** |  |  | X |  | X | X |
| **Testing Process & Rules** |  | X | X | X |  | X |
| **Final Regression Testing** |  | X | X |  | X |  |
| **Unit Test** |  | X |  | X | X |  |
| **Parameterised Test** | X |  | X | X |  | X |
| **System Integration Test** | X | X |  |  | X |  |
| **Collecting and Tracking Test Metrics** | X |  | X | X |  | X |
| **Regression Test** |  |  | X |  | X | X |
| **Performance Test** | X | X |  | X |  |  |
| **User Acceptance Test** |  | X | X |  | X | X |

1. **SCHEDULE**

Schedule allocates time slots for tasks that are needed to be performed depicted in the plan under the Milestones area. In the plan, the task will be in the resources plan. The Manager alongside the manager and lead for the test will regulate all testing activities The plan's time incorporates the audit of the plan point-by-point report, the survey of the framework archive, and the testing stages.

1. **PLANNING RISKS AND CONTINGENCIES**

* To achieve the testing tasks, the team will be given sufficient equipment and training alongside different scenarios.
* Back-up assets will be consolidated in the arrangement and will be ready when the situation requires.
* The team will be provided with appropriate methods and training manuals and consultants to deal with risks.
* The responsibilities will be dispersed equally among the resources so they are not overburdened with work.

1. **DOCUMENT APPROVALS**

|  |  |  |
| --- | --- | --- |
| **Designation** | **Name** | **Date of Approval** |
| Lead Software Engineer | Sam Daddy | 28/12/2021 |
| Lead QA Engineer | Patrick Timber | 28/12/2021 |
| Project Sponsor | Peter Seneca | 19/01/2022 |
| Development Team Manager | Afaounodden | 15/12/2021 |
| Test Manager | Rini | 17/12/2021 |
| Business Analyst | Akriti | 19/12/2021 |
| Client | Guru Banking | 24/12/2021 |

1. **GLOSSARY**

|  |  |  |
| --- | --- | --- |
| **Terms** | **Section** | **Description** |
| ORR | 8 | Operational Readiness Review |
| QA | 15 | Quality Assurance |
| DT | 15 | Dev Team |
| ALM | 14 | Application Lifecycle Management |
| PM | 15 | Project Manager |
| BA | 15 | Business Analyst |
| SEU | 14 | Source Entry Utility |
| DFU | 14 | Data File Utility |
| SDA | 14 | Screen Design Aid |