

St. Thomas’ College of Engineering & Technology

Speed Cash System

Unit Test Plan Document Version 1.0

# Introduction

The Speed Cash System is used to transfer money from one place to another within a day. This is basically used to speed up the money transfer. The necessary information for the money transfer from the source bank to the destination bank is sent in the form of file on daily basis. This file contains the information like remitter details, beneficiary details and DD (Demand Draft) details, etc.

# Test Scope

This test plan will test all the requirements for the System. This Test Plan covers unit testing which will be performed by group members. It will not include Acceptance,

Integration and System Testing.

# Test Features

This is a description of the features that will be tested within the scope of the test plan.

The list represents what will be tested as well as the individuals/groups involved with the testing activities.

|  |  |  |
| --- | --- | --- |
| **SL No**. | **Feature** | **Responsible party or groups** |
| 1 | Register | Group-14 |
| 2 | Login | Group-14 |
| 3 | Add/Manage Brand | Group-14 |
| 4 | Add/Manage Category | Group-14 |
| 5 | Add/Manage Product | Group-14 |
| 6 | New/Manage Order | Group-14 |

# Test Inputs/Outputs

This is a description of the inputs that will be used to assist with the testing effort and a list of the outputs that will be delivered from the testing effort.

|  |  |
| --- | --- |
| **Project Name:** Speed cash System | **Pre-condition:** User has username and password |
| **Test Case ID:** v\_1 | **Test Designed by:** Group-14 |
| **Test Priority(low/medium/high):** high | **Test Designed Date:** 20/06/21 |
| **Module Name:** Login Page | **Test Executed by:** Ayan Bhunia |
| **Test Title:** Login user to system | **Test Execution date:** 20/06/21 |
| **Description:** Test whether user is able to successfully Login | **Dependencies:** |

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| --- | --- | --- | --- | --- | --- | --- |
| **Steps** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status**  **(Pass/Fail)** | **Notes** |
| 1. | Provide a username and password | ayanb,  ayanb | User should be able to  log in | User was able to  log in | Pass | User successfully  registers and can login |
| 2. | Provide a username and previous email | ayanb,  1234 | An alert message informing email  already exists | Alert message with desired message obtained | Pass | User not able to register since  email is not unique. |
| 3. | Provide a password and re-enter same password | ayanb,  ayanb | User should be able to  log in | User was able to  log in | Pass | Passwords were checked and  found to be same |
| 4. | Provide a password and re-enter  different password | ayanb,  1234 | Message stating different passwords must be displayed | Message displayed stating password s are  different | Pass | Passwords were checked and  found to be different. |

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| --- | --- |
| **Project Name:** Speed cash System | **Pre-condition:** User has username and password |
| **Test Case ID:** v\_2 | **Test Designed by:** Group-14 |
| **Test Priority(low/medium/high):** high | **Test Designed Date:** 21/06/21 |
| **Module Name:** Login Page | **Test Executed by:** Namrata Bhattacharyya |
| **Test Title:** Login to the system | **Test Execution date:** 21/06/21 |
| **Description:** Test whether user is able to successfully login to the Login | **Dependencies:** |

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| --- | --- | --- | --- | --- | --- | --- |
| **Steps** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status**  **(Pass/Fail)** | **Notes** |
| 1. | Provide a username and password | namratab,  namratab | User should be able to  log in | User was able to  log in | Pass | User successfully  registers and can login |
| 2. | Provide a username and previous email | namratab,  1234 | An alert message informing email  already exists | Alert message with desired message obtained | Pass | User not able to register since  email is not unique. |

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| --- | --- |
| **Project Name:** Speed cash System | **Pre-condition:** User is logged into the system |
| **Test Case ID:** v\_3 | **Test Designed by:** Team |
| **Test Priority(low/medium/high):** high | **Test Designed Date:** 22/06/21 |
| **Module Name:** Balance check | **Test Executed by:** Namrata Bhattacharyya |
| **Test Title:** Balance check | **Test Execution date:** 22/06/21 |
| **Description:** Test whether user is able to see their balance | **Dependencies:** |

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| --- | --- | --- | --- | --- | --- | --- |
| **Steps** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status**  **(Pass/Fail)** | **Notes** |
| 1. | Click on  Balance Button | - | Modal Window for Balance should  come up | Modal Window appears | Pass | User can now  See balance |

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| **Project Name:** Speed cash System | **Pre-condition:** User is logged into the system |
| **Test Case ID:** v\_4 | **Test Designed by:** Group-14 |
| **Test Priority(low/medium/high):** high | **Test Designed Date:** 23/06/21 |
| **Module Name:** Transaction cash | **Test Executed by:** Aritra Bhattacharjya |
| **Test Title:** Transaction cash | **Test Execution date:** 23/06/21 |
| **Description:** Test whether user is able to successfully transact | **Dependencies:** |

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| **Steps** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status**  **(Pass/Fail)** | **Notes** |
| 1. | Click on Send | Accno,  Amount | Valid Transaction | Valid Transaction | Pass | Transaction take place |
| 2. | Click on Send | Wrong Accno,  Amount | No Transaction | No Transaction | Pass | No Transaction take place |

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| **Project Name:** Speed cash System | **Pre-condition:** Super User is logged into the system |
| **Test Case ID:** v\_5 | **Test Designed by:** Group-14 |
| **Test Priority(low/medium/high):** high | **Test Designed Date:** 24/06/21 |
| **Module Name:** Add user | **Test Executed by:** Ayan Bhunia |
| **Test Title:** Add user | **Test Execution date:** 24/06/21 |
| **Description:** Test whether super user is able to successfully add, edit or delete users in the system | **Dependencies:** |

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| --- | --- | --- | --- | --- | --- | --- |
| **Steps** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status**  **(Pass/Fail)** | **Notes** |
| 1. | Click on  Add Button | Give all details | User Added | User Added | Pass | New user added |
| 2. | Click on  Add Button | Give all details | User Added | User Added | Pass | New user added |
| 3. | Click on  Add Button | Give all details | User Added | User Added | Pass | New user added |

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| --- | --- |
| **Project Name:** Speed cash System | **Pre-condition:** User is logged into the system |
| **Test Case ID:** v\_6 | **Test Designed by:** Group-14 |
| **Test Priority(low/medium/high):** high | **Test Designed Date:** 26/06/21 |
| **Module Name:** See transaction details | **Test Executed by:** Jagriti Hazra |
| **Test Title:** See transaction details | **Test Execution date:** 26/06/21 |
| **Description:** Test whether user is able to See transaction details | **Dependencies:** |

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| --- | --- | --- | --- | --- | --- | --- |
| **Steps** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status**  **(Pass/Fail)** | **Notes** |
| 1. | Click on  See transaction | - | Model Window for Show transaction details | Model Window for Show transaction details | Pass | User can now See their transaction |
| 2. | Click on  See transaction | - | Model Window for Show transaction details | Model Window for Show transaction details | Pass | User can now See their transaction |
| 3. | Click on  See transaction | - | Model Window for Show transaction details | Model Window for Show transaction details | Pass | User can now See their transaction |

# Test Strategy

This is a description of the recommended testing approach for this project. This describes “how” the test items and features will be tested.

|  |  |  |
| --- | --- | --- |
| **Test Type** | **Description** | **Comment** |
| Unit Test | *This type tests all functionalities end to end.* |  |

# Test Environment (tools, system, databases)

This is a list of the testing tools, systems, and databases.

|  |  |  |
| --- | --- | --- |
| Tools | Description | Version |
| Manual Input | Manual entry of data onto screen or gui | n/a |
| Database | Microsoft Access | n/a |

# Test Roles and Responsibilities

This is a list of the testing roles and responsibilities.

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| --- | --- | --- |
| ***Resource*** | ***Role*** | ***Responsibility*** |
| Namrata Bhattacharyya | Test Manager/Project Manager | * Provides technical direction. * Acquires testing resources. * Assigns tasks to testing resources. |
| Ayan Bhunia | Test Designer | * Document test plan. * Identifies, documents and prioritizes test cases. * Evaluates effectiveness of test effort. |
| Aritra Bhattacharjya | Tester | ∙ Executes test cases, logs defects, and documents test results. |
| Jagriti Hazra | Test System Administrator | ∙ Ensures test environment and  assets are installed, managed and maintained. |

# Test Milestones

|  |  |
| --- | --- |
| **Task** | **Milestone Date** |
| Complete Unit Testing v\_1 | 20/06/21 |
| Complete Unit Testing v\_2 | 21/06/21 |
| Complete Unit Testing v\_3 | 22/06/21 |
| Complete Unit Testing v\_4 | 23/06/21 |
| Complete Unit Testing v\_5 | 24/06/21 |
| Complete Unit Testing v\_6 | 26/06/21 |

**Document Approval**

The signatures below acknowledge that the test plan outlined above is complete and accurate. Upon receiving written approval, the project team will proceed to the next step of the project.

If anything changes during the execution of the project, the test plan will be updated and re approved accordingly.

|  |  |  |
| --- | --- | --- |
| **Approved by:**  **Printed name** | **Approved by:**  **Title** | **Approved By:**  **Signature/Date** |
|  | Business Representative |  |
|  | IT Representative |  |