# Test Tracking Reports

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| **Test Suite:** | | Models Unit Tests | | |
| **Report Date:** | | October 22nd, 2024 | | |
| **Total Tests Executed:** | | 41 | | |
| **Tests Passed:** | | 36 | | |
| **Tests Failed:** | | 5 | | |
| **Coverage:** | | 83% | | |
| **Test Case ID** | **Test Case Description** | | **Status** | **Comments** |
| STP-5 | Create Budget Valid Input | | Passed |  |
| STP-6 | Create Budget Invalid Input | | Passed |  |
| STP-7 | No Budget Added to Database with Invalid Data | | Passed |  |
| STP-8 | Create Budget with Missing Field Amounts | | Passed |  |
| STP-16 | Generate Report Normal | | Passed |  |
| STP-17 | Generate Report No Income | | Passed |  |
| STP-18 | Generate Report No Expense | | Passed |  |
| STP-19 | Generate Report Empty Input | | Passed |  |
| STP-20 | Generate Report Mixed Input | | Passed |  |
| STP-21 | Calculate Savings Normal | | Passed |  |
| STP-22 | Calculate Savings No Income | | Passed |  |
| STP-23 | Calculate Savings No Expenses | | Passed |  |
| STP-24 | Calculate Savings Empty Input | | Passed |  |
| STP-25 | Calculate Savings Mixed Input | | Passed |  |
| STP-26 | Calculate Savings Negative Input | | Passed |  |
| STP-27 | Calculate Savings Multiple Steps | | Passed |  |
| STP-44 | Remove Single Income | | Passed |  |
| STP-45 | Remove Multiple Incomes | | Passed |  |
| STP-46 | Remove Single Expense | | Passed |  |
| STP-47 | Remove Multiple Expenses | | Passed |  |
| STP-48 | Remove Incomes and Expenses | | Passed |  |
| STP-28 | Add Income | | Passed |  |
| STP-29 | Add Income Zero Amount | | Failed | Zero income is being added to income list instead of returning an empty list |
| STP-30 | Add Income Negative Amount | | Failed | Negative income is being added to income list instead of returning an empty list |
| STP-31 | Add Income Multiple Incomes | | Passed |  |
| STP-32 | Add Income Large Amount | | Passed |  |
| STP-33 | Add Income Float Amount | | Passed |  |
| STP-34 | Add Income Empty Amount | | Passed |  |
| STP-35 | Add Income Empty Source | | Passed |  |
| STP-36 | Add Income None Amount | | Passed |  |
| STP-37 | Add Income String Amount | | Failed | String income is being added to income list instead of returning an empty list |
| STP-38 | Calculate Total Income Single | | Passed |  |
| STP-39 | Calculate Total Income Multiple | | Passed |  |
| STP-40 | Calculate Total Income Empty | | Passed |  |
| STP-41 | Calculate Total Expenses Single | | Passed |  |
| STP-42 | Calculate Total Expenses Multiple | | Passed |  |
| STP-43 | Calculate Total Expenses Empty | | Passed |  |
| STP-49 | Add Expense Valid | | Passed |  |
| STP-50 | Add Expense Zero Amount | | Failed | Zero expense is being added to expense list instead of returning an empty list |
| STP-51 | Add Expense Negative Amount | | Failed | Negative expense is being added to income list instead of returning an empty list |

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| **Test Suite:** | | Models Unit Tests | | |
| **Report Date:** | | October 29th, 2024 | | |
| **Total Tests Executed:** | | 41 | | |
| **Tests Passed:** | | 41 | | |
| **Tests Failed:** | | 0 | | |
| **Coverage:** | | 83% | | |
| **Test Case ID** | **Test Case Description** | | **Status** | **Comments** |
| STP-5 | Create Budget Valid Input | | Passed |  |
| STP-6 | Create Budget Invalid Input | | Passed |  |
| STP-7 | No Budget Added to Database with Invalid Data | | Passed |  |
| STP-8 | Create Budget with Missing Field Amounts | | Passed |  |
| STP-16 | Generate Report Normal | | Passed |  |
| STP-17 | Generate Report No Income | | Passed |  |
| STP-18 | Generate Report No Expense | | Passed |  |
| STP-19 | Generate Report Empty Input | | Passed |  |
| STP-20 | Generate Report Mixed Input | | Passed |  |
| STP-21 | Calculate Savings Normal | | Passed |  |
| STP-22 | Calculate Savings No Income | | Passed |  |
| STP-23 | Calculate Savings No Expenses | | Passed |  |
| STP-24 | Calculate Savings Empty Input | | Passed |  |
| STP-25 | Calculate Savings Mixed Input | | Passed |  |
| STP-26 | Calculate Savings Negative Input | | Passed |  |
| STP-27 | Calculate Savings Multiple Steps | | Passed |  |
| STP-44 | Remove Single Income | | Passed |  |
| STP-45 | Remove Multiple Incomes | | Passed |  |
| STP-46 | Remove Single Expense | | Passed |  |
| STP-47 | Remove Multiple Expenses | | Passed |  |
| STP-48 | Remove Incomes and Expenses | | Passed |  |
| STP-28 | Add Income | | Passed |  |
| STP-29 | Add Income Zero Amount | | Passed |  |
| STP-30 | Add Income Negative Amount | | Passed |  |
| STP-31 | Add Income Multiple Incomes | | Passed |  |
| STP-32 | Add Income Large Amount | | Passed |  |
| STP-33 | Add Income Float Amount | | Passed |  |
| STP-34 | Add Income Empty Amount | | Passed |  |
| STP-35 | Add Income Empty Source | | Passed |  |
| STP-36 | Add Income None Amount | | Passed |  |
| STP-37 | Add Income String Amount | | Passed |  |
| STP-38 | Calculate Total Income Single | | Passed |  |
| STP-39 | Calculate Total Income Multiple | | Passed |  |
| STP-40 | Calculate Total Income Empty | | Passed |  |
| STP-41 | Calculate Total Expenses Single | | Passed |  |
| STP-42 | Calculate Total Expenses Multiple | | Passed |  |
| STP-43 | Calculate Total Expenses Empty | | Passed |  |
| STP-49 | Add Expense Valid | | Passed |  |
| STP-50 | Add Expense Zero Amount | | Passed |  |
| STP-51 | Add Expense Negative Amount | | Passed |  |

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| **Test Suite:** | | Endpoints Integration Tests | | |
| **Report Date:** | | November 5th, 2024 | | |
| **Total Tests Executed:** | | 7 | | |
| **Tests Passed:** | | 4 | | |
| **Tests Failed:** | | 3 | | |
| **Coverage:** | | 56% | | |
| **Test Case ID** | **Test Case Description** | | **Status** | **Comments** |
| STP-1 | Authenticated Access to Generate Report | | Failed | Response code 401 returned instead of 200 |
| STP-2 | Unauthenticated User Generate Report | | Passed |  |
| STP-3 | Generate Report for Non-Existent Budget | | Passed |  |
| STP-12 | Test Registration Authenticated | | Failed | Response code 401 returned instead of 302 |
| STP-13 | Test Registration Duplicate | | Passed |  |
| STP-14 | Test Login Authenticated | | Failed | Response code 401 returned instead of 302 |
| STP-15 | Test Login Unauthorized | | Passed |  |

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| **Test Suite:** | | Endpoints Integration Tests | | |
| **Report Date:** | | November 12th, 2024 | | |
| **Total Tests Executed:** | | 7 | | |
| **Tests Passed:** | | 7 | | |
| **Tests Failed:** | | 0 | | |
| **Coverage:** | | 56% | | |
| **Test Case ID** | **Test Case Description** | | **Status** | **Comments** |
| STP-1 | Authenticated Access to Generate Report | | Passed |  |
| STP-2 | Unauthenticated User Generate Report | | Passed |  |
| STP-3 | Generate Report for Non-Existent Budget | | Passed |  |
| STP-12 | Test Registration Authenticated | | Passed |  |
| STP-13 | Test Registration Duplicate | | Passed |  |
| STP-14 | Test Login Authenticated | | Passed |  |
| STP-15 | Test Login Unauthorized | | Passed |  |

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| **Test Suite:** | | Selenium System Tests | | |
| **Report Date:** | | November 19th, 2024 | | |
| **Total Tests Executed:** | | 2 | | |
| **Tests Passed:** | | 0 | | |
| **Tests Failed:** | | 2 | | |
| **Coverage:** | | 56% | | |
| **Test Case ID** | **Test Case Description** | | **Status** | **Comments** |
| STP-10 | Verify Login using Selenium | | Failed | Redirect to URL for Login instead of Budget Dashboard |
| STP-11 | Verify Budget Creation using Selenium | | Failed | Redirect to URL for Login instead of Budget Dashboard |

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| **Test Suite:** | | Selenium System Tests | | |
| **Report Date:** | | November 26th, 2024 | | |
| **Total Tests Executed:** | | 2 | | |
| **Tests Passed:** | | 2 | | |
| **Tests Failed:** | | 0 | | |
| **Coverage:** | | 56% | | |
| **Test Case ID** | **Test Case Description** | | **Status** | **Comments** |
| STP-10 | Verify Login using Selenium | | Passed |  |
| STP-11 | Verify Budget Creation using Selenium | | Passed |  |

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| **Test Suite:** | | User Acceptance Tests | | |
| **Report Date:** | | December 3rd, 2024 | | |
| **Total Tests Executed:** | | 6 | | |
| **Tests Passed:** | | 6 | | |
| **Tests Failed:** | | 0 | | |
| **Test Case ID** | **Test Case Description** | | **Status** | **Comments** |
| STP-52 | Add Expense to Budget | | Passed |  |
| STP-53 | Add Income to Budget | | Passed |  |
| STP-54 | Generate Budget Report | | Passed |  |
| STP-55 | User Manages Budget | | Passed |  |
| STP-56 | User Registration | | Passed |  |
| STP-57 | User Login | | Passed |  |