**Manual Test Plan 2**

**Settings**

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| Test | **Should not be able to update user with invalid user information** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | Try to update user with invalid information |
| Pass | ✓ |

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| Test | **Should not be able to update user with duplicated username.** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | Try to update user with duplicated username |
| Pass | ✓ |

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| Test | **Should be able to update user with valid information.** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2  ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Try to update user with valid information 2. Refresh the webpage to verify the information is really updated |
| Pass | ✓ |

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| Test | **Should not be able to change password if password and confirmation password do not match.** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | Try to change user with invalid information |
| Pass | ✓ |

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| Test | **Should not be able to use short password** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | Try to login use a short password. |
| Pass | ✓ |

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| Test | **Should be able to use a valid password** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Try to use a short password. 2. Login with new password. |
| Pass | ✓ |

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| Test | **Should be able to add a category** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Try to add a category 2. Refresh the webpage to verify the category is really added |
| Pass | ✓ |

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| Test | **Should be able to delete a category** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Try to delete a category 2. Refresh the webpage to verify the category is really deleted |
| Pass | ✓ |

**Record**

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| Test | **Should allow user to select from customized categories** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Add a category 2. Go to record page, and verify the category is in the selection menu |
| Pass | ✓ |

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| Test | **Should show suggested locations** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Type a letter in the location textbox 2. Verify the suggested location shows up |
| Pass | ✓ |

**List**

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| Test | **Should be able to delete a record** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2  ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2  ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Add a new record 2. Go to list page, delete the record 3. Refresh the webpage, and verify the record is deleted |
| Pass | ✓ |

**Statistics**

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| Test | **Should reject invalid date range** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | Try to run statistics with invalid date range |
| Pass | ✓ |

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| Test | **Should accept valid date range** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | Try to run statistics with valid date range |
| Pass | ✓ |

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| Test | **Should show daily spending line chart correctly** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Login with stattest/11111111 2. Use date range 2017-03-01 ~ 2017-03-31 3. Verify the daily spending line chart |
| Pass | ✓ |

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| Test | **Should show pie chart correctly** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Login with stattest/11111111 2. Use date range 2017-03-01 ~ 2017-03-31 3. Verify the pie chart |
| Pass | ✓ |

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| Test | **Should calculate numbers on pie chart correctly** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2  ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Login with stattest/11111111 2. Use date range 2017-03-01 ~ 2017-03-31 3. Verify the numbers:  * Food = $496 * Education = $155 * Rent = $120 * Health = $50 * Entertainment = $30 * Others = $0 |
| Pass | ✓ |

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| Test | **Should calculate numbers on pie chart correctly** |
| ../../../../../Mass%20Storage/lc/Desktop/Screen%20Shot%202017-04-18%20at%2 | |
| Instruction | 1. Login with stattest/11111111 2. Use date range 2017-03-01 ~ 2017-03-31 3. Verify the numbers on result table.  * Total Spending = $496 * Average Daily Spending = $27.45 |
| Pass | ✓ |