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| **USE CASE NAME:** | Add Buyer | **USE CASE TYPE** |
| **USE CASE ID:** | 9 | **Design Requirements:🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Buyer liaison clerk | |
| **OTHER PARTICIPATING ACTORS:** |  | |
| **DESCRIPTION:** |  | |
| **PRE-CONDITIONS:** | The buyer liaison clerk has logged onto the system | |
| **TYPICAL COURSE** | 1. The Buyer liaison clerk selects the “Add Buyer” function. 2. The system displays the “Add Buyer” form with all fields blank. 3. The buyer liaison clerk enters the buyer’s id (1 to 999999 inclusive), last name, first name, street address, suburb, city, email address, phone number, credit status (valid or invalid), and mortgage status (unconfirmed or confirmed). 4. The system gets all agents. 5. The system displays a list of agents (agent id, last name, and first name) in a list box. 6. The buyer liaison clerk selects an agent. 7. The system displays the agent’s id and name in read-only text boxes. 8. The buyer liaison clerk clicks on the “Add Buyer” button. 9. The system confirms that all necessary fields are filled in correctly. 10. The system saves the buyer’s details (buyer id, last name, first name, street address, suburb, city, email address, phone number, credit status, and mortgage status, and agent id). 11. The system displays the “Buyer added successfully” message. 12. The system displays the “Add another buyer?” prompt. 13. The buyer liaison clerk clicks on the “Return”. 14. The use case ends. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | 9A.1 The system identifies any missing or incorrect fields and prompts for the completion of all fields.  13A.1 The buyer liaison elects to enter another buyer and the system returns to step 2. | |
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| **POST CONDITIONS:** |  | |
| **ASSUMPTIONS:** |  | |

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| **USE CASE NAME:** | Update Buyer | **USE CASE TYPE** |
| **USE CASE ID:** | 10 | **Design Requirements 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Buyer liaison clerk | |
| **OTHER PARTICIPATING ACTORS:** |  | |
| **DESCRIPTION:** |  | |
| **PRE-CONDITIONS:** | The buyer liaison clerk has logged onto the system | |
| **TYPICAL COURSE** | 1. The buyer liaison clerk selects the “Update Buyer” function. 2. The system displays the “Update Buyer” form 3. The system gets all buyers. 4. The system displays a list of all the buyers (buyer id, last name and first name). 5. The buyer liaison clerk selects the buyer whose details need updating. 6. The system displays the buyer’s details (buyer ID, last name, first name, street address, suburb, city, email address, phone number, credit status, mortgage status, and agent first name and last name). 7. The buyer liaison clerk updates the relevant details (last name, first name, street address, suburb, city, email address, phone number, credit status, and mortgage status only). 8. The buyer liaison clerk clicks on the “Update Buyer” button. 9. The system validates the entries in the fields. 10. The system displays the prompt to confirm changes. 11. The buyer liaison clerk confirms the change of details 12. The system saves the buyer’s details. 13. The system displays the “Buyer updated successfully” message. 14. The buyer liaison clicks on the “Return” button. 15. The use case closes. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | 5A.1 The buyer liaison clerk clicks on the “Return” button.  5A.2 The system goes to step 15.  9A.1 The system identifies missing or incorrect fields displays “Please fill in details correctly” message.  9A.2 The system goes to step 7.  11A.1 The buyer liaison clerk elects to cancel the changes.  11A.2 The system skips to step 7.  14A.1 The buyer liaison clerk elects to update another buyer and the system returns to step 3. | |
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| **POST CONDITIONS:** |  | |
| **ASSUMPTIONS:** |  | |

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| **USE CASE NAME:** | Delete Buyer | **USE CASE TYPE** |
| **USE CASE ID:** | 11 | **Design Requirements 🗹** |
| **PRIORITY:** | High |  |
| **OTHER PARTICIPATING ACTORS:** |  | |
| **DESCRIPTION:** | This use case enables the buyer liaison clerk to delete a selected buyer’s details. | |
| **PRE-CONDITIONS:** | The buyer liaison clerk has logged onto the system | |
| **TYPICAL COURSE** | 1. The buyer liaison clerk selects the “Delete Buyer” function. 2. The system displays the “Delete Buyer” form. 3. The system gets all the buyers who do not have any offers. 4. The system displays a list of all the buyers (buyer id, last name and first name) who do not have any offers, in a combo box. 5. The buyer liaison clerk selects the buyer who requires deleting or the buyer liaison clerk elects to cancel the operation and the system closes the form. 6. The system displays the buyer’s details (buyer ID, last name, first name, street address, suburb, city, and credit status) in read-only text boxes. 7. The buyer liaison clerk clicks the “Delete Buyer” button. 8. The system displays the “Are you sure you want to delete this buyer?” prompt. 9. The buyer liaison clerk clicks the “Confirm” button. 10. The system deletes all the buyer suburbs associated with the buyer. 11. The system deletes all the buyer categories associated with the buyer. 12. The system deletes the buyer’s details. 13. The system displays the “Buyer deleted successfully” message. 14. The system displays the “Delete another buyer?” prompt. 15. The buyer liaison clerk clicks the “Return” button. 16. The use case closes. | |
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| **ALTERNATE COURSES:** | 5A.1 The buyer liaison clerk clicks on the “Return” button.  5A.2 The system skips to step 16.  7A.1 The buyer liaison clerk clicks on the “Return” button.  7A.2 The system skips to step 16.  9A.1 The buyer liaison clicks the “Cancel” button.  9A.2The system returns to step 5.  13A.1 The buyer liaison clerk clicks the “Yes” button.  13A.2 The system returns to step 5. | |
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| **POST CONDITIONS:** |  | |
| **ASSUMPTIONS:** |  | |

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| **USE CASE NAME:** | Produce Buyers Report | **USE CASE TYPE** |
| **USE CASE ID:** | 12 | **Design Requirements 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Buyer liaison clerk | |
| **OTHER PARTICIPATING ACTORS:** |  | |
| **DESCRIPTION:** | This use case enables the buyer liaison clerk to produce the buyers report. | |
| **PRE-CONDITIONS:** | The buyer liaison clerk has logged onto the system | |
| **TYPICAL COURSE** | 1. The buyer liaison clerk selects the “Produce Buyers Report” function 2. The system displays the “Buyers Report” form 3. The buyer liaison clerk clicks the “Display Report” button. 4. The system gets the details (buyer’s id, last name, first name, street address, suburb, city, email address, phone number, credit status, mortgage status, agent last name and first name) of each buyer. 5. The system counts the number of properties each buyer has made an offer on. 6. The system then generates and displays the buyers report (buyer’s id, last name, first name, street address, suburb, city, email address, phone number, credit status, mortgage status, agent last name and first name, and count of properties) with the buyers sorted by first name within last name. 7. The buyer liaison clerk clicks on the “Return” button. 8. The system closes the use case. | |
| **OF EVENTS:** |
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| **ALTERNATE COURSES:** | 3A.1 The buyer liaison clerk clicks on the “Return” button.  3A.2 The system skips to step 8. | |
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| **POST CONDITIONS:** |  | |
| **ASSUMPTIONS:** |  | |

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| **USE CASE NAME:** | Assign Buyer Suburb | **USE CASE TYPE** |
| **USE CASE ID:** | 13 | **Design Requirements 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Buyer liaison clerk | |
| **OTHER PARTICIPATING ACTORS:** |  | |
| **DESCRIPTION:** | This use case enables a buyer liaison clerk assign a suburb to a selected buyer. | |
| **PRE-CONDITIONS:** | The buyer liaison clerk has logged onto the system | |
| **TYPICAL COURSE** | 1. The buyer liaison clerk selects the “Assign Buyer Suburb” function 2. The system displays the “Assign Buyer Suburb” form. 3. The system gets all buyers. 4. The system displays a list of all the buyers (buyer id, last name and first name) in a combo box. 5. The buyer liaison clerk selects the buyer who is being assigned 6. The system displays the buyer’s details (buyer id, last name, and first name, and credit status) in read-only text boxes. 7. The system gets all suburbs. 8. The system displays the list of the suburbs (suburb id, suburb name, and importance) in a combo box. 9. The buyer liaison clerk selects a suburb. 10. The buyer liaison clerk enters the importance (high, medium or low) of the suburb to the buyer in a combo box. 11. The buyer liaison clerk clicks on the “Assign Suburb” button. 12. The system saves the buyer suburb details (buyer id, suburb id, and importance) unless the buyer has already been assigned the selected suburb in which case an error message is displayed, and the system displays a list of the suburbs (suburb id and suburb name). 13. The system displays the “Suburb assigned to buyer successfully” message. 14. The system displays the “Assign another suburb?” prompt. 15. The buyer liaison clerk clicks on the “Return” button. 16. The system closes the use case. | |
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| **ALTERNATE COURSES:** | 5A.1 The buyer liaison clerk clicks on the “Return” button.  5A.2 The system skips to step 16.  11A.1 The buyer liaison clerk clicks on the “Return” button.  11A.2 The system skips to step 16.  15A.1 The buyer liaison clerk clicks the “Yes” button.  15A.2 The system returns to step 5. | |
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| **POST CONDITIONS:** |  | |
| **ASSUMPTIONS:** |  | |

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| **USE CASE NAME:** | Remove Buyer Suburb | **USE CASE TYPE** |
| **USE CASE ID:** | 14 | **Design Requirements 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Buyer liaison clerk | |
| **OTHER PARTICIPATING ACTORS:** |  | |
| **DESCRIPTION:** | This use case enables the buyer liaison clerk to remove a suburb from a selected buyer. | |
| **PRE-CONDITIONS:** | The buyer liaison clerk has logged onto the system | |
| **TYPICAL COURSE** | 1. The buyer liaison clerk selects the “Remove Buyer Suburb” function. 2. The system displays the “Remove Buyer Suburb” form. 3. The system gets all buyers with suburbs assigned. 4. The system displays a list of all the buyers (buyer id, last name and first name) who have suburbs assigned in a combo box. 5. The buyer liaison clerk selects the buyer whose suburb is being removed. 6. The system displays the buyer’s details (buyer id, last name, and first name, and credit status) in read-only text boxes. 7. The system gets all suburbs. 8. The system displays the list of the suburbs (suburb id, suburb name, and importance) for the selected buyer in a combo box. 9. The buyer liaison clerk selects a suburb. 10. The buyer liaison clerk clicks the “Remove Suburb” button. 11. The system deletes the buyer suburb details. 12. The system displays the “Suburb removed from buyer successfully” message. 13. The system displays the “Remove another suburb?” prompt. 14. The buyer liaison clerk clicks the “Return” button. 15. The system closes the use case. | |
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| **ALTERNATE COURSES:** | 5A.1 The buyer liaison clerk clicks on the “Return” button.  5A.2 The system skips to step 15.  10A.1 The buyer liaison clerk clicks on the “Return” button.  10A.2 The system skips to step 15.  14A.1 The buyer liaison clerk clicks the “Yes” button.  14A.2 The system returns to step 2. | |
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| **POST CONDITIONS:** |  | |
| **ASSUMPTIONS:** |  | |

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| **USE CASE NAME:** | Assign Buyer Category | **USE CASE TYPE** |
| **USE CASE ID:** | 15 | **Design Requirements 🗹** |
| **PRIORITY:** |  |  |
| **PRIMARY BUSINESS ACTOR:** | Buyer liaison clerk | |
| **OTHER PARTICIPATING ACTORS:** |  | |
| **DESCRIPTION:** | This use case enables a buyer liaison clerk to assign a category to a buyer. | |
| **PRE-CONDITIONS:** | The buyer liaison clerk has logged onto the system | |
| **TYPICAL COURSE** | 1. The buyer liaison clerk selects the “Assign Buyer Category” function. 2. The system displays the “Assign Buyer Category” form. 3. The system gets all buyers. 4. The system displays a list of all the buyers (buyer id, last name and first name) in a combo box. 5. The buyer liaison clerk selects the buyer who is being assigned a category. 6. The system displays the buyer’s details (buyer id, last name, and first name, and credit status) in read-only text boxes. 7. The system gets all categories. 8. The system displays the list of the categories (category id, category description, and importance) assigned to the selected buyer in a list box. 9. The system displays a list of the categories (category id and category description) in a combo box. 10. The buyer liaison clerk selects a category. 11. The buyer liaison clerk enters the importance of the category to the buyer (high, medium, or low) in a combo box. 12. The buyer liaison clerk clicks on the “Assign Category” button. 13. The system saves the buyer category details (buyer id, category id, and importance) unless the buyer has already been assigned the selected category in which case an error message is displayed, and the system displays a list of the categories (category id and category description). 14. The system displays the “Category assigned to buyer successfully” message. 15. The system displays the “Assign another category?” prompt. 16. The buyer liaison clerk clicks on the “Return” button. 17. The system closes the use case. | |
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| **ALTERNATE COURSES:** | 5A.1 The buyer liaison clerk clicks on the “Return” button.  5A.2 The system skips to step 15.  12A.1 The buyer liaison clerk clicks on the “Return” button.  12A.2 The system skips to step 15.  16A.1 The buyer liaison clerk clicks the “Yes” button.  16A.2 The system returns to step 4. | |
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| **POST CONDITIONS:** |  | |
| **ASSUMPTIONS:** |  | |

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| **USE CASE NAME:** | Remove Buyer Category | **USE CASE TYPE** |
| **USE CASE ID:** | 16 | **Design Requirements 🗹** |
| **PRIORITY:** | High |  |
| **PRIMARY BUSINESS ACTOR:** | Buyer liaison clerk | |
| **OTHER PARTICIPATING ACTORS:** |  | |
| **DESCRIPTION:** | This use case enables the buyer liaison clerk to remove a category from a selected buyer. | |
| **PRE-CONDITIONS:** | The buyer liaison clerk has logged onto the system | |
| **TYPICAL COURSE** | 1. The buyer liaison clerk selects the “Remove Buyer Category” function. 2. The system displays the “Remove Buyer Category” form 3. The system gets all buyers. 4. The system displays a list of all the buyers (buyer id, last name, and first name) who have categories assigned in a combo box. 5. The buyer liaison clerk selects the buyer whose category is being removed. 6. The system displays the buyer’s details (buyer id, last name, first name, and credit status) in read-only text boxes. 7. The system gets all categories associated with the selected buyer. 8. The system displays the list of the categories (category id, category description, and importance) for the selected buyer in a combo box. 9. The buyer liaison clerk selects a category. 10. The buyer liaison clerk clicks on the “Remove Category” button. 11. The system deletes the buyer category details. 12. The system displays the “Category removed from buyer successfully” message. 13. The system displays the “Remove another category?” prompt. 14. The buyer liaison clerk clicks on the “Return” button. 15. The system closes the use case. | |
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| **ALTERNATE COURSES:** | 5A.1 The buyer liaison clerk clicks on the “Return” button.  5A.2 The system skips to step 15.  10A.1 The buyer liaison clerk clicks on the “Return” button.  10A.2 The system skips to step 15.  13A.1 The buyer liaison clerk clicks the “Yes” button.  13A.2 The system returns to step 4. | |
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| **POST CONDITIONS:** |  | |
| **ASSUMPTIONS:** |  | |