# Assignment 1 Test Plans

**Common Test Cases for Add New Contact Use Case (Common to both Business and Personal Contacts)**

| **Scenario** | **Expected Results** | | | | |
| --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **DOB** | **Street**  **City**  **Province**  **Postal Code** | **E-mail** | | **Cell #** | **Next**  **Contact**  **Number** | **Result** |
| 1. Add New Contact - all fields entered and correct | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1001 | Message displayed: Item x1000 was successfully added |
| 1. Last name not specified |  | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1001 | Error message displayed: Full name must be entered |
| 1. First name not specified | Doe |  | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1001 | Error message displayed: Full name must be entered |
| 1. Day of birth not specified | Doe | Jane | 12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1002 | Day of birth is stored in file as 0  Message displayed: Item x1001 was successfully added |
| 1. Month of birth not specified | Doe | Jane | 02  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1003 | Month of birth is stored in file as 0  Message displayed: Item x1002 was successfully added |
| 1. Year of birth not specified | Doe | Jane | 02  12 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1004 | Year of birth is stored in file as 0  Message displayed: Item x1003 was successfully added |
| 1. Day, month and year of birth not specified | Doe | Jane |  | 123 Main | Jane.doe@hotmail.com | | 819-345-4567 | x1005 | Month, day and year of birth are stored in file as 0  Message displayed: Item x1004 was successfully added |
| 1. Invalid birth date (February 31st) | Doe | Jane | 31  2  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1005 | Error message displayed: Invalid date of birth  Day of birth field is cleared |
| 1. Street not specified | Doe | Jane | 02  12  2002 | Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1006 | Street is stored in file as n/a  Message displayed: Item x1005 was successfully added |
| 1. City not specified | Doe | Jane | 02  12  2002 | 123 Main  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1007 | City is stored in file as n/a  Message displayed: Item x1006 was successfully added |
| 1. Province not specified | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1008 | Province is stored in file as n/a  Message displayed: Item x1007 was successfully added |
| 1. Postal code not specified | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec | Jane.doe@hotmail.com | | 819-345-4567 | x1009 | Postal code is stored in file as n/a  Message displayed: Item x1008 was successfully added |
| 1. Street, city, province and postal code not specified | Doe | Jane | 02  12  2002 |  | Jane.doe@hotmail.com | | 819-345-4567 | x1010 | Street, city, province and postal code are stored in file as n/a  Message displayed: Item x1009 was successfully added |
| 1. Invalid postal code (wrong format) | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  QTV2T3 | Jane.doe@hotmail.com | | 819-345-4567 | x1010 | Error message displayed: Postal Code must follow the Postal Code format  Postal Code field cleared |
| 1. Invalid postal code (missing characters) | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V | Jane.doe@hotmail.com | | 819-345-4567 | x1010 | Error message displayed: Postal Code must follow the Postal Code format  Postal Code field cleared |
| 1. Email not specified | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 |  | | 819-345-4567 | x1010 | Error message displayed: Email address must be entered |
| 1. Invalid email (missing @) | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe.com | | 819-345-4567 | x1010 | Error message displayed: Invalid email address, please re-enter  Email Address field cleared |
| 1. Invalid email (missing . after the @) | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail | | 819-345-4567 | x1010 | Error message displayed: Invalid email address, please re-enter  Email Address field cleared |
| 1. Cellphone number not specified | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | |  | x1011 | Cellphone number is stored in file as n/a  Message displayed: Item x1010 was successfully added |
| 1. Invalid cellphone number (too many numbers) | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 1234-555-9876 | x1011 | Error message displayed: Invalid cellphone number, please re-enter  Cellphone number field cleared |
| 1. Invalid cellphone number (too few numbers) | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 222-222-5 | x1011 | Error message displayed: Invalid cellphone number, please re-enter  Cellphone number field cleared |
| 1. Invalid cellphone number (alphabet characters present) | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-T85-0987 | x1011 | Error message displayed: Invalid cellphone number, please re-enter  Cellphone number field cleared |
| 1. Clicking the clear button | Doe | Jane | 02  12  2002 | 123 Main  Gatineau | Jane.doe@hotmail.com | | 819-888-8888 | x1011 | All fields cleared |
| 1. Missing Contact ID File | - | - | - | - | - | | - | - | Program doesn’t run, message displayed in the console that the file was not found |

**Test Cases for Add New Personal Contact Use Case**

| **Scenario** | **Expected Results** | | | | |
| --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **DOB** | **Street**  **City**  **Province**  **Postal Code** | **E-mail** | | **Cell #**  **Home #** | **Twitter Handle Instagram Name** | **Relation-ship** | **Contact**  **Record** | **Next**  **Contact**  **Number** | **Result** |
| 1. Add personal contact – all fields entered and correct | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | [Jane.doe@hotmail.com](mailto:Jane.doe@hotmail.com) | | 819-345-4567  819-123-4567 | @jdoe  Jane99 | 02 | 1st record in file (see below) | P1001 | Message displayed: Item P1000 was successfully added |
| 1. Optional field Instagram username not entered | Doe | John | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | [John.doe@hotmail.com](mailto:John.doe@hotmail.com) | | 819-345-4567  819-123-4567 | @doe | 03 | 2nd record in file | P1002 | Instagram username is stored in file as n/a  Message displayed: Item P1001 was successfully added |
| 1. Home phone number not specified | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567 | @jdoe  Jane99 | 02 | 3rd record | P1003 | Home phone number is stored in file as n/a  Message displayed: Item P1002 was successfully added |
| 1. Invalid Home phone number | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | Jane.doe@hotmail.com | | 819-345-4567  123-456456-8888 | @jdoe  Jane99 | 02 | Record not added to file | P1003 | Error message displayed: Invalid home phone number, please re-enter  Home phone number field cleared |
| 1. Twitter handle not specified | Doe | John | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | John.doe@hotmail.com | | 819-345-4567  819-123-4567 | John99 | 03 | 4th record | P1004 | Twitter handle is stored in file as n/a  Message displayed: Item P1003 was successfully added |
| 1. Instagram, twitter, homephone number not specified | McC | Paul | 12  05  1965 | 88 Tree  Yonder  Land  Y0M6R3 | Paulmcc@gmail.com | | 222-222-2222 |  | 05 | 5th record | P1005 | Instagram, twitter and homephone number stored in file as n/a  Message displayed: Item P1005 was successfully added |
| 1. Clear button is clicked | Doe | Jane | 02  12  2002 | 123 Main  Gatineau  Quebec  Q2V2T3 | [Jane.doe@hotmail.com](mailto:Jane.doe@hotmail.com) | | 819-345-4567  819-123-4567 | @jdoe  Jane99 | 02 | Record not added to file | P1005 | All fields are cleared |

**personalContacts.txt**

P1000~Doe~Jane~02~02~2002~123 Main~Gatineau~Quebec~Q2B2T3~Jane.doe@hotmail.com~819-345-4567~819-123-4567~@jdoe~Jane99~02

P1001~Doe~John~02~02~2002~123 Main~Gatineau~Quebec~Q2B2T3~John.doe@hotmail.com~819-345-4567~819-123-4567~@doe~n/a~03

P1002~Doe~Jane~02~02~2002~123 Main~Gatineau~Quebec~Q2B2T3~Jane.doe@hotmail.com~819-345-4567~n/a~@jdoe~Jane99~02

P1003~Doe~Jane~02~02~2002~123 Main~Gatineau~Quebec~Q2B2T3~Jane.doe@hotmail.com~819-345-4567~819-123-4567~n/a~John99~03

P1004~McC~Paul~12~05~1965~88 Tree~Yonder~Land~Y0M6R3~Paulmcc@gmail.com~222-222-2222~n/a~n/a~n/a~05

**Test Cases for Add New Business Contact Use Case**

| **Scenario** | **Expected Results** | | | | |
| --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **DOB** | **Street**  **City**  **Province**  **Postal Code** | **E-mail** | | **Cell #**  **Work #** | **Company Name**  **Department** | **Job Title** | **Contact**  **Record** | **Next**  **Contact**  **Number** | **Result** |
| 1. Add business contact – all fields entered and correct | Smith | John | 19  03  2004 | 19 Street  Rivers  Manitoba  J9H1T9 | John.smith@outlook.com | | 999-999-9999  888-888-8888 | Sunshine Entreprise  Sunlight Sector | Engineer | 1st record | B1001 | Message displayed: Item B1000 was successfully added |
| 1. Business phone number not specified | Smith | John | 19  03  2004 | 19 Street  Rivers  Manitoba  J9H1T9 | John.smith@outlook.com | | 999-999-9999 | Sunshine Entreprise  Sunlight Sector | Engineer | 2nd record | B1002 | Business phone number is stored in file as n/a  Message displayed: Item B1001 was successfully added |
| 1. Invalid business phone number | Smith | John | 19  03  2004 | 19 Street  Rivers  Manitoba  J9H1T9 | John.smith@outlook.com | | 999-999-9999  55-555-5555 | Sunshine Entreprise  Sunlight Sector | Engineer | Record not added to file | B1002 | Error message displayed: Invalid business phone number, please re-enter  Business phone number field cleared |
| 1. Company name not specified | Smith | John | 19  03  2004 | 19 Street  Rivers  Manitoba  J9H1T9 | John.smith@outlook.com | | 999-999-9999  888-888-8888 | Sunlight Sector | Engineer | Record not added to file | B1002 | Error message displayed: Company name must be entered |
| 1. Department name not specified | Smith | John | 19  03  2004 | 19 Street  Rivers  Manitoba  J9H1T9 | John.smith@outlook.com | | 999-999-9999  888-888-8888 | Sunshine Entreprise | Engineer | 3rd record | B1003 | Department name is stored in file as n/a  Message displayed: Item B1002 was successfully added |
| 1. Job title not specified | Smith | John | 19  03  2004 | 19 Street  Rivers  Manitoba  J9H1T9 | John.smith@outlook.com | | 999-999-9999  888-888-8888 | Sunshine Entreprise  Sunlight Sector | Engineer | 4th record | B1004 | Job title is stored in file as n/a  Message displayed: Item B1003 was successfully added |
| 1. Clear button is clicked | Smith | John | 19  03  2004 | 19 Street  Rivers  Manitoba  J9H1T9 | John.smith@outlook.com | | 999-999-9999  888-888-8888 | Sunshine Entreprise  Sunlight Sector | Engineer | Record not added to file | B1004 | All fields are cleared |

**businessContacts.txt**

B1000~Smith~John~19~03~2004~19 Street~Rivers~Manitoba~J9H1T9~John.smith@outlook.com~999-999-9999~888-888-8888~Sunshine Entreprise~Sunlight Sector~Engineer

B1001~Smith~John~19~03~2004~19 Street~Rivers~Manitoba~J9H1T9~John.smith@outlook.com~999-999-9999~n/a~Sunshine Entreprise~Sunlight Sector~Engineer

B1002~Smith~John~19~03~2004~19 Street~Rivers~Manitoba~J9H1T9~John.smith@outlook.com~999-999-9999~888-888-8888~Sunshine Entreprise~n/a~Engineer

B1003~Smith~John~19~03~2004~19 Street~Rivers~Manitoba~J9H1T9~John.smith@outlook.com~999-999-9999~888-888-8888~Sunshine Entreprise~Sunlight Sector~n/a