Visual Paradigm Online Free Edition

420-G20 Assignment 1 Greg Amyotte

ContactListFrame

-fldFirstName: JTextField
-fldLastName: JTextField
-fldDOBYear: JTextField
-fldDOBMonth: JTextField
-fldDOBDay: JTextField
-fldAddress: JTextField
-fldCity: JTextField
-fldProvince: JTextField
-fldPostalCode: JTextField
-fldCellphoneArea: JTextField

-fldEmail : JTextField

-fldTwitter : JTextField

-fldHomePhoneArea : JTextField -fldHomePhoneFirst : JTextField -fldHomePhoneLast : JTextField

-fldInstagram: JTextField -fldWorkPhoneArea: JTextField -fldWorkPhoneFirst: JTextField -fldCellphoneFirst: JTextField -fldCellphoneLast: JtextArea -fldWorkPhoneLast: JTextField -fldCompany: JTextField

-fldDepartment : JTextField -lblFirstName : JLabel -lblLastName : JLabel -lblDOB : JLabel

-lblCellphone : JLabel -lblAddress : JLabel -lblCity : JLabel -lblProvince : JLabel -lblPostalCode : JLabel -lblEmail : JLabel

-lblAdd : JLabel

-lblHomePhone : JLabel -lblTwitter : JLabel -lblInstagram : JLabel -lblRelationship : JLabel -lblWorkPhone : JLabel -lblCompany : JLabel -lblDepartment : JLabel -lblJobTitle : JLabel

-btnAddPersonal : JButton -btnAddBusiness : JButton -btnAdd : JButton

-btnClear : JButton
-cmbxDOBYear : JComboBox

-cmbxDOBYear . JComboBox -cmbxDOBMonth : JComboBox -cmbxDOBDay : JComboBox -cmbxProvince : JComboBox

+main(in args) : void +ContactListFrame()

+setEmail(String e): void

+getContactIdentifier(): String +newBusiness(): void +newPersonal(): void

+setContactIdentifier(String id): void (abstract)

+getEmail(): String

+getInstagramUsername(): String

+setRelationship(String r): void

+getRelationship(): String

Assignment 1 Test Plans

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

| Scenario | | | Expect | ed Results | | | | |
|--|--------------|---------------|------------------|---|-----------------------------|------------------|---------------------------|--|
| | Last Name | First Name | DOB | Street City Province Postal Code | E-mail | Cell # | Next Contact Number | Result |
| Add contact – all fields entered and correct | Lucas | George | 14 03 1944 | 123 Main Gatineau Quebec Q2V2T3 | georgelucas@hot mail.com | 819-345-4567 | 1001 | Message displayed: Item 1000 was successfully added |
| First name field not entered | Lucas | | 14 03 1944 | 123 Main Gatineau Quebec Q2V2T3 | georgelucas@hot mail.com | 819-345-4567 | 1002 | Error displayed: Contact's full name must be entered |
| 3. Last name field not entered | | George | 14 03 1944 | 123 Main Gatineau Quebec Q2V2T3 | georgelucas@ho tmail.com | 819-345- 4567 | 1002 | Error displayed: Contact's full name must be entered |
| 4. No date of birth is entered | Lucas | George | | 123 Main Gatineau Quebec Q2V2T3 | georgelucas@ho tmail.com | 819-345- 4567 | 1003 | The date of birth fields are set to 0/0/0 |
| 5. Invalid date of birth is se | Lucas | George | 33 03 1944 | 123 Main Gatineau Quebec Q2V2T3 | georgelucas@ho tmail.com | 819-345- 4567 | 1003 | Invalid fields are cleared. Error displayed: Date of birth must be numeric and in the appropriate range |
| 6. Incomplete address is provided | Lucas | George | 14 03 1944 | 123 Main Quebec Q2V2T3 | georgelucas@ho tmail.com | 819-345- 4567 | 1004 | City field is set to "n/a" |

| Scenario | | | | Expect | ted Results | | | | |
|----------|--|--------------|---------------|------------------|---|-----------------------------|------------------|---------------------------|--|
| | | Last Name | First Name | DOB | Street City Province Postal Code | E-mail | Cell # | Next Contact Number | Result |
| 7. | Incorrect Postal code format | Lucas | George | 14 03 1944 | 123 Main Gatineau | georgelucas@ho tmail.com | 819-345- 4567 | 1005 | Postal code field is cleared Error displayed: The postal code must follow the postal code format (X0X0X0) |
| 8. | E-mail is not specified | Lucas | George | 14 03 1944 | 123 Main Gatineau Quebec Q2V2T3 | | 819-345- 4567 | 1006 | Error displayed: The e- mail address must be entered |
| 9. | Invalid email is entered | Lucas | George | 14 03 1944 | 123 Main Gatineau Quebec Q2V2T3 | georgelucashot mailcom | 819-345- 4567 | 1006 | Email address field is cleared. Error displayed: The email address is invalid |
| 10. | Cellphone number is not specified | Lucas | George | 14 03 1944 | 123 Main Gatineau Quebec Q2V2T3 | georgelucas@ho tmail.com | | 1007 | Cellphone number is set to "n/a" |
| 11. | Invalid cellphone number is displayed | Lucas | George | 14 03 1944 | 123 Main Gatineau Quebec Q2V2T3 | georgelucas@ho tmail.com | 819-345- 4s67 | 1008 | Cellphone number field is cleared. Error displayed: Cellphone number must follow cthe cellphone number format (000-000-0000) |
| 12. | The clear button is clicked | Lucas | George | 14 03 1944 | 123 Main Gatineau Quebec Q2V2T3 | georgelucas@ho tmail.com | 819-345- 4567 | 1009 | All fields are cleared |

Test Cases for Add New Personal Contact Use Case

| Sc | enario | | | Expect | ted Results | | | | | | | |
|----|--|--------------|---------------|------------------|---|--------------------------|------------------------------|--|----|-----------------------------------|---------------------------|---|
| | | Last Name | First Name | DOB | Street City Province Postal Code | E-mail | Cell # Home # | Twitter Handle Instagr am Name | | 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 | 819-345-4567 819-123-4567 | @jdoe Jane99 | 02 | 1st record in file (see below) | P1001 | Message displayed: Item P1000 was successfully added |
| 2. | Optional field Instagram username not entered | Doe | John | 02 12 2002 | 123 Main Gatineau Quebec Q2V2T3 | John.doe@hotmai I.com | 819-345-4567 819-123-4567 | @doe | 03 | 2 nd record in file | P1002 | Instagram username is stored in file as n/a Message displayed: Item P1001 was successfully added |
| 3. | Home phone number is not entered | Doe | John | 02 12 2002 | 123 Main Gatineau Quebec Q2V2T3 | John.doe@hotmai l.com | 819-345-4567 | @doe John.doe | | 3 rd record in file | P1003 | Home phone number is stored as "n/a" Message displayed: Item P1002 was successfully added |
| 4. | Invalid home phone number is entered | Doe | John | 02 12 2002 | 123 Main Gatineau Quebec Q2V2T3 | John.doe@hotmai I.com | 819-345-4567 819-12e-4567 | @doe John.doe | | No record in file | P1003 | Home phone number field is cleared. Error displayed: The home phone number must follow the phone number format (000-000-0000) |
| 5. | Twitter handle is not entered | Doe | John | 02 12 2002 | 123 Main Gatineau Quebec Q2V2T3 | John.doe@hotmai l.com | 819-345-4567 819-123-4567 | John.doe | | 4 th record in file | P1004 | Twitter handle is stored as "n/a". Message displayed: Item P1003 was successfully added |

| Scenario | | | Expec | ted Results | | | | | | | |
|--------------------------------|--------------|---------------|------------------|---|--------------------------|------------------------------|------------------|-------------------|-------------------|---------------------------|---|
| | Last Name | First Name | DOB | Street City Province Postal Code | E-mail | Cell # Home # | | Relation -ship | Contact Record | Next Contact Number | Result |
| 6. Relationship is not entered | Doe | John | 02 12 2002 | 123 Main Gatineau Quebec Q2V2T3 | John.doe@hotmai l.com | 819-345-4567 819-123-4567 | @doe John.doe | | No record in file | | Error displayed: The relationship must be entered |
| 7. Relationship is not valid | Doe | John | 02 12 2002 | 123 Main Gatineau Quebec Q2V2T3 | John.doe@hotmai l.com | 819-345-4567 819-123-4567 | @doe John.doe | 24 | No record in file | | Relationship field is cleared. Error displayed: The relationship is invalid |

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

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

Test Cases for Add New Business Contact Use Case

| Scenario | | | Expec | ted 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 | |
| Add personal contact – all fields entered and correct | Musk | Elon | 28 6 1971 | 123 Main Gatineau Quebec Q2V2T3 | emusk@outlook.c | 819-345-4567 819-123-4567 | Tesla Management | CEO | 1st record in file (see below) | B1001 | Message displayed: Item B1000 was successfully added |
| 2. Business phone is not specified | Musk | Elon | 28 6 1971 | 123 Main Gatineau Quebec Q2V2T3 | emusk@outlook.co om | 819-345-4567 | Tesla Management | CEO | 2 nd record in file | B1002 | Business phone is set to "n/a" Message displayed: Item B1001 was successfully added |
| 3. Invalid business phone is entered | Musk | Elon | 28 6 1971 | 123 Main Gatineau Quebec Q2V2T3 | emusk@outlook.c | 819-345-4567 819-123-4s67 | Tesla Management | CEO | No record in file | B1002 | Business phone number field is cleared. Error displayed: The business phone number must follow the phone number format (000-000-0000) |
| Company name is not entered | Musk | Elon | 28 6 1971 | 123 Main Gatineau Quebec Q2V2T3 | emusk@outlook.c om | 819-345-4567 819-123-4567 | Management | CEO | No record in file | B1002 | Error displayed: The company name must be entered |
| 5. Department name is not entered | Musk | Elon | 28 6 1971 | 123 Main Gatineau Quebec Q2V2T3 | emusk@outlook.c | 819-345-4567 819-123-4567 | Tesla | CEO | 3 rd record in file | B1003 | Department name is stored as "n/a" Message displayed: Item B1002 was successfully added |

| Scenario | | | Expec | ted Results | | | | | | | |
|-----------------------------|--------------|---------------|-----------------|---|-----------------------|------------------|-------------------------------|---|--------------------------------|---------------------------|--|
| | Last Name | First Name | DOB | Street City Province Postal Code | E-mail | Cell # Work # | Company Name Department | | Contact Record | Next Contact Number | Result |
| 6. Job title is not entered | Musk | Elon | 28 6 1971 | 123 Main Gatineau Quebec Q2V2T3 | emusk@outlook.c om | 819-345-4567 | Tesla Management | _ | 4 th record in file | | Job title is stored as "n/a" Message displayed: Item B1003 was successfully added |

businessContacts.txt

B1000~Musk~Elon~28~06~1971~123 Main~Gatineau~Quebec~Q2B2T3~emusk@outlook.com~819-345-4567~819-123-4567~Tesla~Management~CEO B1001~Musk~Elon~28~06~1971~123 Main~Gatineau~Quebec~Q2B2T3~emusk@outlook.com~819-345-4567~n/a~Tesla~Management~CEO

B1002~Musk~Elon~28~06~1971~123 Main~Gatineau~Quebec~Q2B2T3~emusk@outlook.com~819-345-4567~819-123-4567~Tesla~n/a~CEO

B1003~Musk~Elon~28~06~1971~123 Main~Gatineau~Quebec~Q2B2T3~emusk@outlook.com~819-345-4567~819-123-4567~Tesla~Management~n/a

| First Name: | | | | | | Last Name: | | 1 |
|---------------|---------|-----|---|--------|---|----------------|--|----|
| DOB: | YYYY ~ | MM | V | DD | v | | | |
| Address: | | | | | | City: | | 70 |
| Province: | | | | | v | Postal Code: | | |
| Cellphone: | | | | | | Email: | | |
| | | | P | ersona | | dd Business | | |
| Home Phone: | | | | | | Work Phone: | | |
| Twither: | | 151 | | | | Company: | | 12 |
| Instagram: | | | | | | Department: | | |
| Relationship: | Lhknewn | | | | ~ | Job Title: | | |
| | | | | | | | | |
| | | | _ | Add | - | Clear | | |