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**Project Brief**

Create a simple phonebook program which will contain contact names and phone numbers. The program will enable the user to quickly lookup contacts phone numbers. The user can also modify, delete the contacts.

**Classes and Relationships**

Contact - Parent Class - Base of all contacts

Work contacts - Child classes

School contacts - Child classes

Family and friends - Child classes

Contact Class:

Variables: Name, Phone Number, address

Pseudocode for methods:

Edit/modify contact:

Create method edit

Select contact

Choose detail to edit

Edit detail

Delete contact:

Create method delete

Select contact

Delete contact

**Tests**:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test No | Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| 1 | Test Name if correct | Alice | Alice | Alice | Pass |
| 2 | Test phone number | 0786243245 | 0786243245 | 0786243245 | Pass |
| 3 | Test address | 250ST | 250ST | 250ST | Pass |
| 4 | Test a wrong name | Alice | Ann | Ann | Pass |
| 5 | Test a wrong phone number | 0786243245 | 0789111377 | 0789111377 | Pass |

**Work Class:**

Variables: Name, Phone Number, address, company, position

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test No | Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| 1 | Test Name if correct | Alice | Alice | Alice | Pass |
| 2 | Test phone number | 0786243245 | 0786243245 | 0786243245 | Pass |
| 3 | Test address | 250ST | 250ST | 250ST | Pass |
| 4 | Test a wrong name | Alice | Ann | Ann | Pass |
| 5 | Test a wrong phone number | 0786243245 | 0789111377 | 0789111377 | Pass |

**School Class:**

Variables: Name, Phone Number, address, school

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test No | Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| 1 | Test Name if correct | Diane | Diane | Diane | Pass |
| 2 | Test phone number | 0786111184 | 0786111184 | 0786111184 | Pass |
| 3 | Test address | 20ST | 20ST | 20ST | Pass |
| 4 | Test a wrong name | Diane | Ann | Ann | Pass |
| 5 | Test a wrong phone number | 0786111184 | 0789111377 | 0789111377 | Pass |

**Family and Friends:**

Variables: Name, Phone Number, address, sector

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test No | Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| 1 | Test Name if correct | Cedric | Cedric | Cedric | Pass |
| 2 | Test phone number | 0786200245 | 0786200245 | 0786200245 | Pass |
| 3 | Test address | 200ST | 200ST | 200ST | Pass |
| 4 | Test a wrong name | Cedric | Ann | Ann | Pass |
| 5 | Test a wrong phone number | 0786200245 | 0789111377 | 0789111377 | Pass |