Design for creating a registration form for contacting or initiating a registration

Variable:

Parent Name, Child name

Relation

Phone

Province – drop down menu

City

Email

Gender – radio option button

Language of Communication – check box


Public Variable

All of the variable except for Email. It might have some private variables to check for special characters.


Function:

checkForm() – This is the main function which would call other classes with variables from the form input

Classes:

cityCheck() – make sure it is not left blank

genderCheck() – if an option button is chosen

langCheck() – to see if atleast one option is chosen

ageCheck() – make sure is not left blank

genderCheck() – make sure one of the option chosen

emailCheck() – make sure not left blank, contains at least dot and @

pnameCheck() – make sure not left blank, contains alphabets only

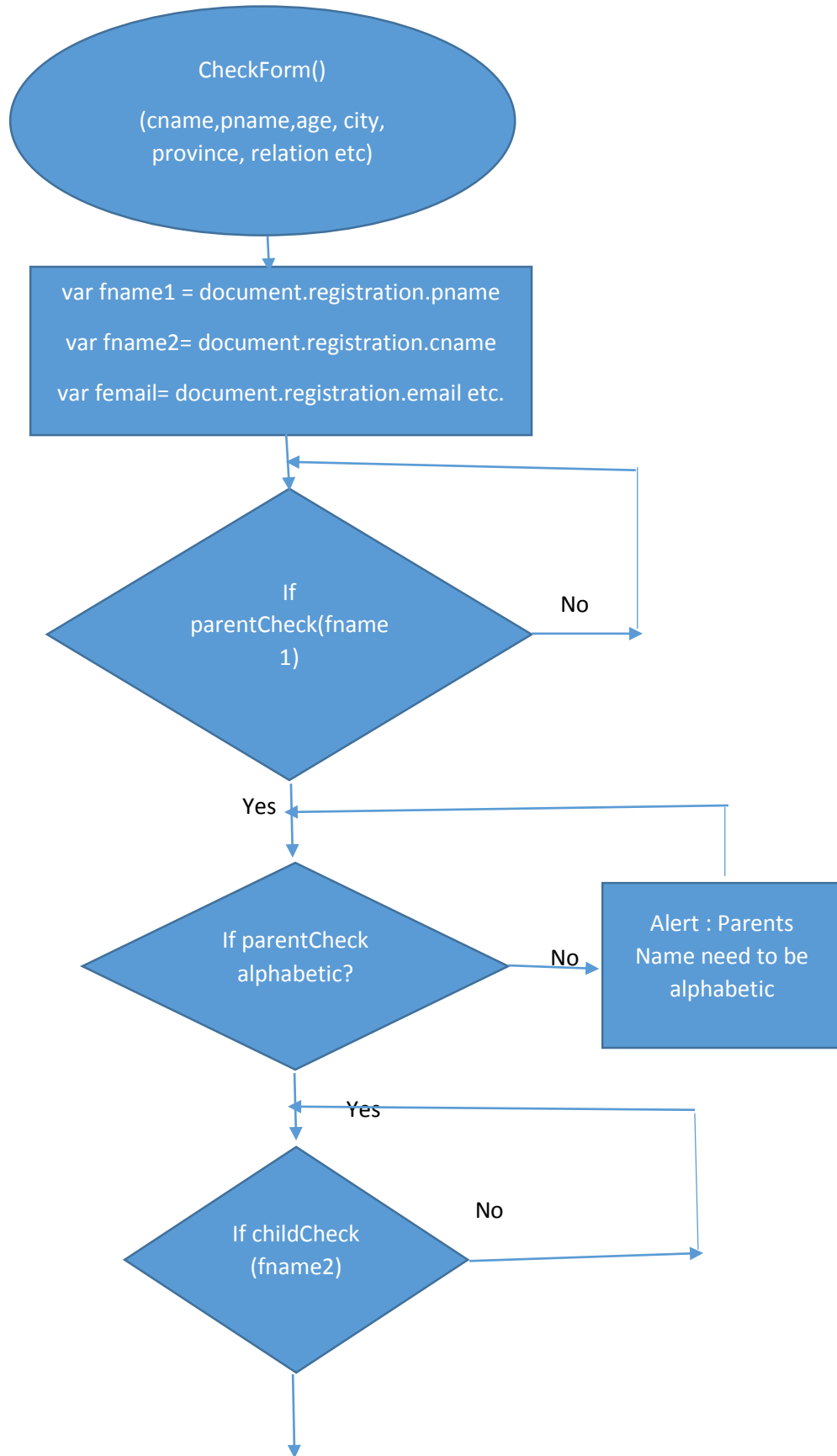cnameCheck() – make sure not left blank, contains alphabets only

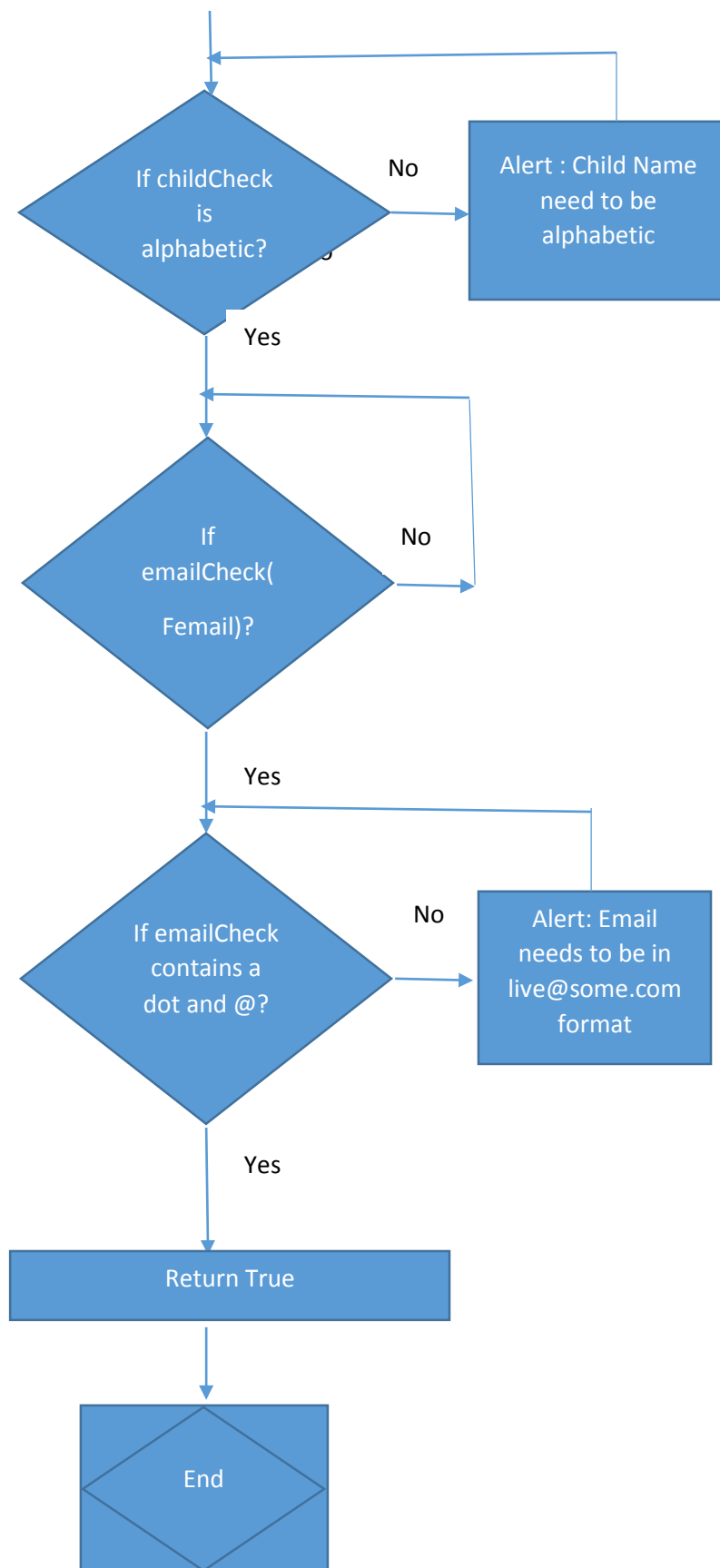provinceCheck() – at least one option is chosen from the dropdown

relationCheck() – make sure not left blank

phoneCheck() – make sure valid

## FlowChart:

Following is a flowchart for a single check. For simplicity only fname, pname and email validations have been show in the flowchart.

```
           CheckForm()
      (cname,pname,age, city,
       province, relation etc)
                 |
                 v
    var fname1 = document.registration.pname
    var fname2= document.registration.cname
    var femail= document.registration.email etc.
                 |
                 v
           If
     parentCheck(fname  ------No------>
           1)
                 |
                Yes
                 |
                 v
      If parentCheck  ------No------>  Alert : Parents
      alphabetic?                      Name need to be
                 |                     alphabetic
                Yes
                 |
                 v
       If childCheck  ------No------>
        (fname2)
                 |
                 v
```

```
                    If childCheck          No        Alert : Child Name
                    is                               need to be
                    alphabetic?                      alphabetic

                         Yes

                    If                     No
                    emailCheck(
                    Femail)?

                         Yes

                    If emailCheck          No        Alert: Email
                    contains a                       needs to be in
                    dot and @?                       live@some.com
                                                     format

                         Yes

                    Return True

                    End
```

<u>**Sample Design:**</u>

Please fill out the the form below to enquire or obtain details about the programs offered at the school. We

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**Parent Information**

| | | |
|---|---|---|
| Parent Name | [_____] | * |
| Relationship to Child | [_____] | * |
| Phone | [_____] | |
| Province | (Please select a province) ⌄ | |
| City | [_____] | |
| Email | [_____] | * Enter email in the format : example@mail.com |

**Child Information**

| | | |
|---|---|---|
| Child Name | [_____] | * |
| Age | [_____] | |
| Gender of Child | ○ Male  ○ Female | |
| Language of Communication: | ☑ English ☐ French ☐ Other | |
| Additional Comments | [_____] | |

[ Submit Form ]

* = Required Field