Component C. Personalized Project Reference.

Procedure:

i.

```
function crypt(message, number){
  hideElement("messageFoundText");
  hideElement("changeFoundMessageButton");
  var encryptedList = ["a", "b", "c", "d", "e", "f", "g", "h", "i", "j", "k", "l", "m", "n", "o", "p", "q", "r", "s", "t", "
  var encryptedMessage = "";
  for(var i = 0; i < number; i++){
    insertItem(encryptedList, 0, encryptedList[25]);
    removeItem(encryptedList, 26);
  }
  for(var a = 0; a < message.length; a++){
    var miscCheck = 0;
    for(var c = 0; c < 26; c++){
      if((message.toLowerCase()).substring(a, a+1) == alphabetList[c]){
        miscCheck++;
        break;
      }
    }
    if(miscCheck == 1){
      for(var b = 0; b < 26; b++){
        if((message.toLowerCase()).substring(a, a+1) == alphabetList[b]){
          encryptedMessage = encryptedMessage + encryptedList[b];
          break;
        }
      }
    }else{
      encryptedMessage = encryptedMessage + message.substring(a, a+1);
    }
  }
  return encryptedMessage;
}
```

Activate Windows

ii.

```
onEvent("encryptButton","click",function(){
  setText("messageOutput", crypt(getText("messageInput"), encryptNumber));
});
```

List:

i.

```
if((getText("messageInput")).length > 25){
  for(var f = 0; f < words.length; f++){
    if(words[f].length >= 4){
      appendItem(filteredWords, words[f]);
    }
  }
}else{
  for(var g = 0; g < words.length; g++){
    if(words[g].length >= 2){
      appendItem(filteredWords, words[g]);
    }
  }
}
```

ii.

```
for(var i = 0; i < 26; i++){
  var message = crypt(getText("messageInput"), i);
  for(var a = 0; a < 100; a++){
    if((message.toLowerCase()).includes((filteredWords[a]).toLowerCase())){
      appendItem(foundMessages, message);
      break;
    }
  }
}
```