public ArrayList<String> shortLastNames()

{

ArrayList<String> newNames = new ArrayList<String>();

if(numVowels() < 2)

{

newNames.add(lastName);

}

else

{

int firstVowel = indexOfFirstVowel();

for(int i = firstVowel; i < lastName.length(); i++)

{

newNames.add(lastName.substring(0, i + 1));

}

}

return newNames;

}

public ArrayList<String> nicknames()

{

ArrayList<String> shortNames = shortLastNames();

ArrayList<String> nickNameList = new ArrayList<String>();

for(int i = 0; i < shortNames.size(); i++)

{

String name =

firstName.substring(0, 1) + “-” + shortNames.get(i);

nickNameList.add(name);

}

return nickNameList;

}