

Exercice – C12 Search (version améliorée) :

List of participants:

First name:

Family name:

Year of birth:

Add participant

Delete selected participant

Search by birthyear

Search by name

Count with text in firstname

Remove older then year

Find last by name

Find all younger then year

Eldest:

Youngest:

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MainFrame
- participants : Participants
- addButton : javax.swing.JButton
- ageTextField : javax.swing.JTextField
- countFirstNameButton : javax.swing.JButton
- countLabel : javax.swing.JLabel
- eldestLabel : javax.swing.JLabel
- findAllButton : javax.swing.JButton
- findLastByNameButton : javax.swing.JButton
- firstNameTextField : javax.swing.JTextField
- jLabel1 : javax.swing.JLabel
- jLabel2 : javax.swing.JLabel
- jLabel3 : javax.swing.JLabel
- jLabel4 : javax.swing.JLabel
- jLabel5 : javax.swing.JLabel
- jLabel6 : javax.swing.JLabel
- jScrollPane1 : javax.swing.JScrollPane
- lastLabel : javax.swing.JLabel
- nameTextField : javax.swing.JTextField
- nbrAllLabel : javax.swing.JLabel
- participantsList : javax.swing.JList
- removeButton : javax.swing.JButton
- removeOlderButton : javax.swing.JButton
- searchBirthYearButton : javax.swing.JButton
- searchNameButton : javax.swing.JButton
- youngestLabel : javax.swing.JLabel
+ MainFrame()
+ updateView() : void
+ initComponents() : void
+ addButtonActionPerformed(evt : java.awt.event.ActionEvent) : void
+ removeButtonActionPerformed(evt : java.awt.event.ActionEvent) : void
+ searchBirthYearButtonActionPerformed(evt : java.awt.event.ActionEvent) : void
+ searchNameButtonActionPerformed(evt : java.awt.event.ActionEvent) : void
+ countFirstNameButtonActionPerformed(evt : java.awt.event.ActionEvent) : void
+ removeOlderButtonActionPerformed(evt : java.awt.event.ActionEvent) : void
+ findLastByNameButtonActionPerformed(evt : java.awt.event.ActionEvent) : void
+ findAllButtonActionPerformed(evt : java.awt.event.ActionEvent) : void
+ main(args[] : String[]) : void
    
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Participant
- firstName : String
- name : String
- birthYear : int
+ Participant(pFirstName : String, pName : String, pBirthYear : int)
+ getFirstName() : String
+ getName() : String
+ getBirthYear() : int
+ toString() : String
    
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Participants
- allParticipants : ArrayList<Participant>
+ add(pParticipant : Participant) : void
+ remove(i : int) : void
+ size() : int
+ get(pPosition : int) : Participant
+ toArray() : Object[]
+ getEldest() : Participant
+ getYoungest() : Participant
+ searchByBirthYear(pYear : int) : int
+ searchByName(pName : String) : int
+ countTextInFirstName(text : String) : int
+ removeOlder(year : int) : void
+ searchAllYounger(pYear : int) : ArrayList<Participant>
    
```