

# Homework 1. You and your partner

Prepared: TrangNTT

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### **Exercise 1.1. Design a HTML form**

Design a form including all types of HTML inputs which request the user to fill the following information of the user and his/her girlfriend/boyfriend:

- Full Name: Fill in a text box,
- Gender: Radio button to choose (*Male* or *Female* – default is *Male*)
- Job: Select from a combo box (only one option from the list),
- Birthday: Fill in a text box in the format dd/mm/yyyy,
- Hobbies: Choose multiple hobbies from checkboxes which list some common hobbies and others
- Skills: Select multiple options from a combo box
- Desires: Fill in a text area
- Secret code: Password textbox
- Confirm secret code: Password textbox

Allow the user to submit all information of both himself/herself and his/her girlfriend/boyfriend; then validate the input and display the result as the Exercise 1.2 and Exercise 1.3.

### **Exercise 1.2. Validate the input**

#### **a. Validate all the inputs:**

- *Full name, Birthday, Secret code*: Mandatory to fill
- *Birthdays* should be a valid date, check the birthday by yourself (like the exercise in the Lab 03)
- *Confirm secret code* should be the same with *Secret code*

#### **b. If there is any invalid input, display the message beside the invalid control in the red font.**

### **Exercise 1.3. Display the result**

If there is no invalid input, display the result

- Use heading 1 to display: "You and your boyfriend/girlfriend" (depends on the Gender is Male or Female)
- Both information in a table with the columns is the fullname of the user and his/her girlfriend/boyfriend; the rows is the information of them:
  - o Calculate how old are they and display their ages
  - o Display in two dates in letter (E.g. Friday, December 12, 2008) for each person
  - o Display the hobbies and skills in a ordered list
  - o And other information
- In the end, display:
  - o the difference in days between two birthdays
  - o the difference yearsold between two people
  - o if their secret code is the same or not

#### **⚠⚠⚠Attentions:**

- Print all screens which you use add-ons of Firefox including DOM Inspector, and Firebug for the above exercise and paste to a MS Word document with a brief comment for each screen.
- You should write some codes to functions to re-use them (such as validate for mandatory fields or a date...)