

## HOMework 7

1. Create a HTML web page for student registration using JavaScript or jQuery. You have to create a form for input and a table for output.

- Form: student id , full name, gender, date of birth, grade
- Table: number (auto increment from 1), first name (ex: Lam) , last name (ex: Nguyen Hung), gender, date of birth, age, grade, classification, ranking
- Data validation and output requirements:
  - o student id: number only, length: 5
  - o full name: at least 2 words
  - o gender: male or female (using radio button or drop down list)
  - o date of birth: born from 1998 to 2003
  - o age: based on year of birth
  - o grade: from 0 to 10, decimal number (ex: 7.5, 9.3)
  - o first name and last name: extract from full name
  - o grade classification: 0-5 (E), 5-7 (D), 7-8 (C), 8-9 (B), 9-10 (A)
  - o ranking: sort descending (higher grade  $\Rightarrow$  higher ranking)
  - o show input validation error by popup dialog (alert)
  - o max quantity: 15 (students)  $\Rightarrow$  do not allow to add more  $\Rightarrow$  show error
  - o highlight the student(s) with highest grade (change text background color for proper row(s))
  - o add buttons to show/hide form and table
  - o create radio button/drop down list to change English  $\Leftrightarrow$  Vietnamese
- Statistical data (put this before/after table):
  - o total students
  - o total male/female
  - o ratio of male/female (ex: male – 70%, female – 30%)
  - o average grade
  - o grade classification summary (ex: 2E, 5A, 7C,...)