

input tag

- ▶ type
- ▶ name
- ▶ value

The Submit Button

- ▶ Normal button
 - `<input type="button">` or
 - `<button type="button">`
- ▶ Submit button
 - `<input type="submit">` or
 - `<button type="submit">`

The elements[] array of Forms

```
function reportElement(form){
    var report="";
    for(var i=0;i<form.elements.length;i++){
        var ele=form.elements[i];
        report+=ele.type+";" +ele.name+"\n";}
    .....
    alert(reportElement(this.form));
```

Number systems

- ▶ Binary ⇔ Decimal
- ▶ Binary ⇔ Hexadecimal
- ▶ Decimal ⇔ Hexadecimal

Exchange(bubble) Sort

Input: a list of prime numbers – pn
Output: the same list with numbers in non-decreasing order

```
for(alpha=0;alpha<pn.length-1;alpha++){
    {
        for(beta=alpha+1;beta<pn.length;beta++){
            {
                if(pn[alpha]>pn[beta])
                {
                    swap(pn[alpha],pn[beta]);
                }
            }
        }
    }
}
```

What you need to know about your Project

- ▶ Proposal: ≤1,500 words (30 marks)
- ▶ Report: ≤3,000 words (60 marks)
- ▶ Presentation+QA (25 marks)
- ▶ Peer Evaluation (15 marks)
- ▶ Three goals and three levels of difficulty
- ▶ Form groups and Divide the work
- ▶ Ideas
- ▶ References