HCI: FORMS

HCI COMP341

REVIEW

- Menu

- Where to use menus

- What are types of menus

- How to use menus

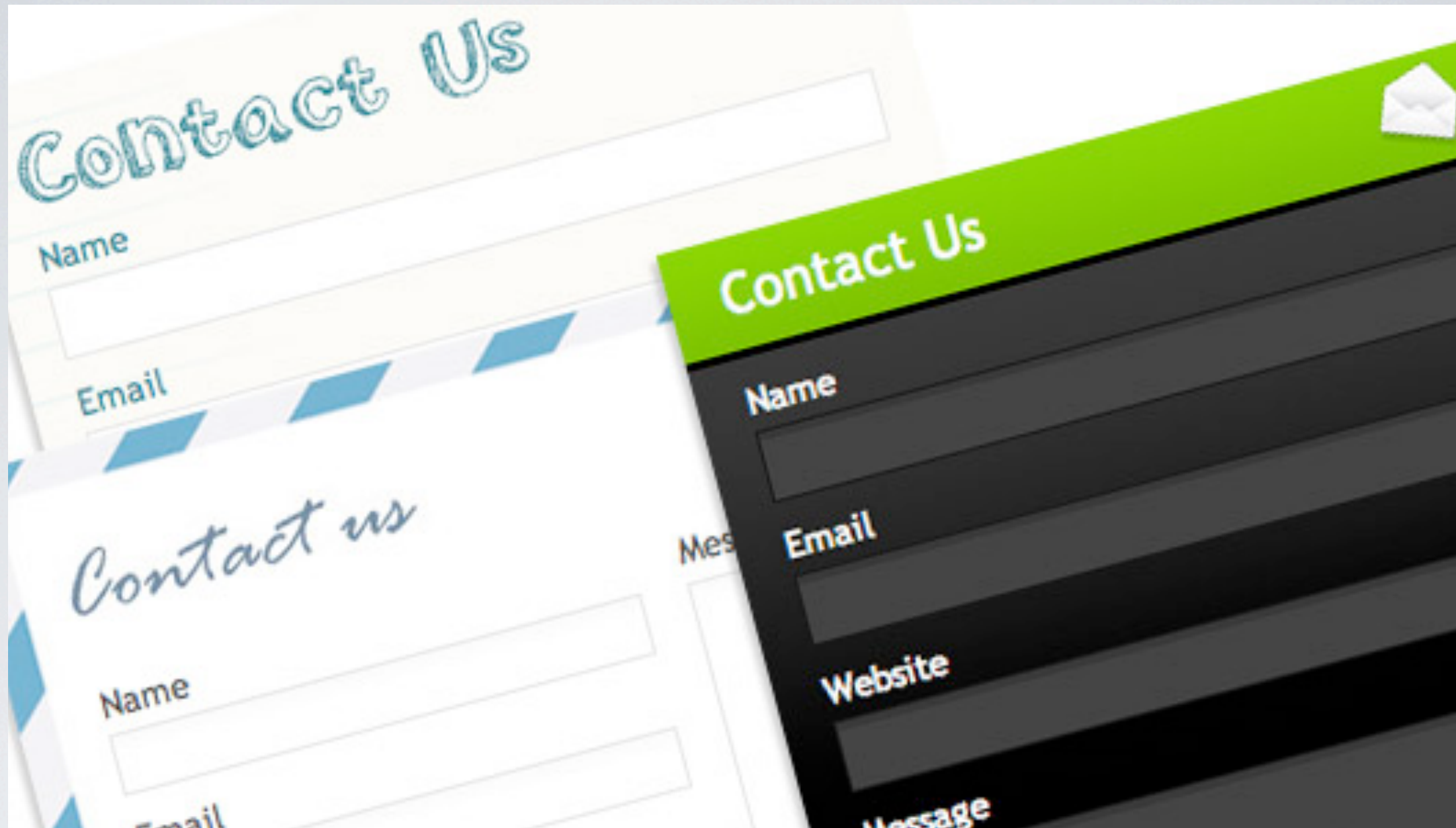- Menu showcase

- On responsive design

OVERVIEW

- Forms

- Elements of Form

- Form Design Guideline

- Validation

- Captcha

- Best practices

REPORT

- Persona

- Functional Requirement

- Write a scenario

- paper prototype

- feedback

- low-fidelity prototype

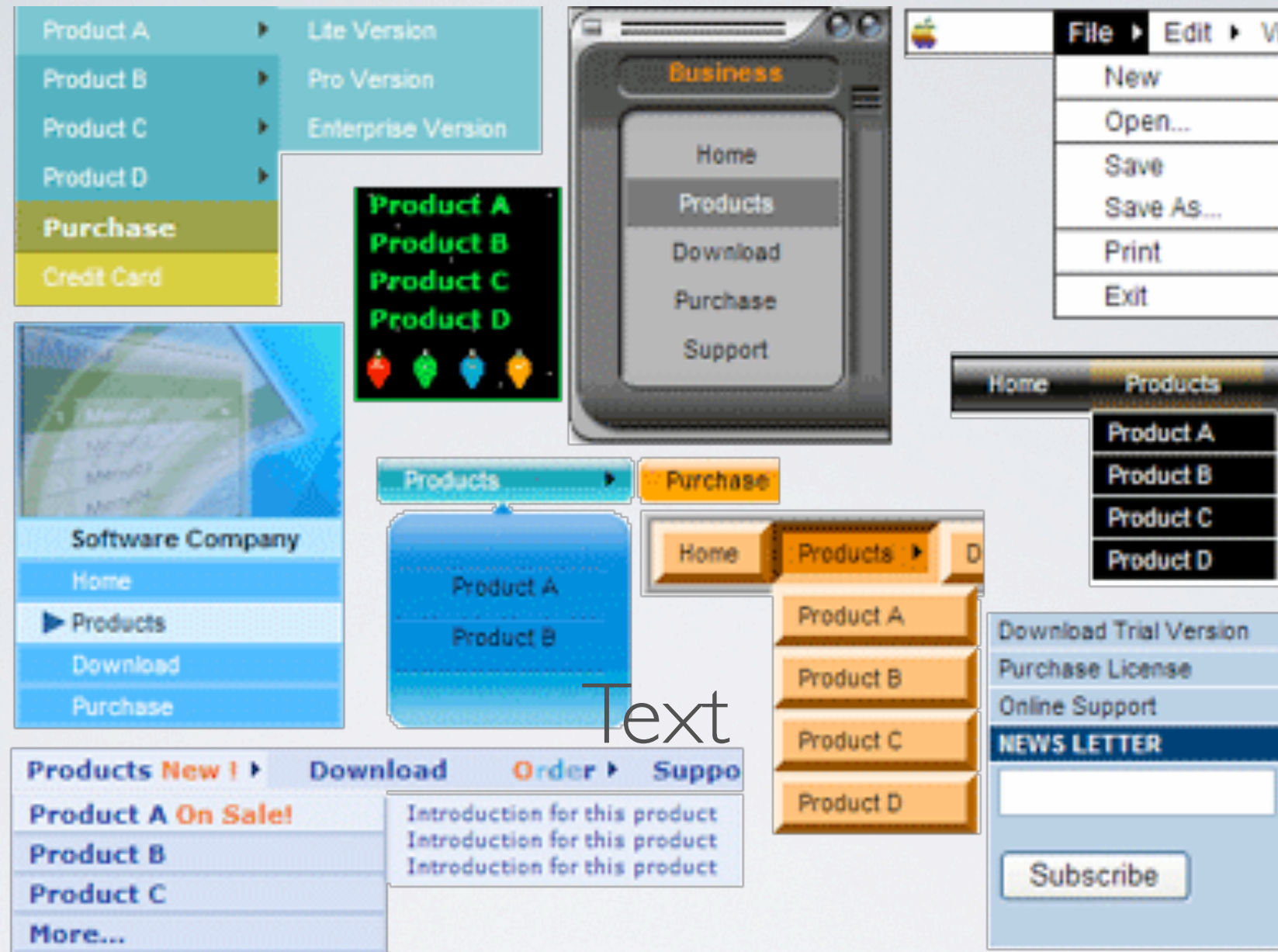# FORM

WHAT DO FORM DO?

Point of communication and data gathering

BENEFIT OF FORM

- Transition from read only web

- Personalize user experience

- Proper usages

  - Saves time

  - Reduce errors

  - Provides instant feedback/result

FORM USAGES

data collection, feedback, communication, enrollment, legalization, product enhancement etc.

ELEMENTS OF FORM

Search 🔍

TEXT
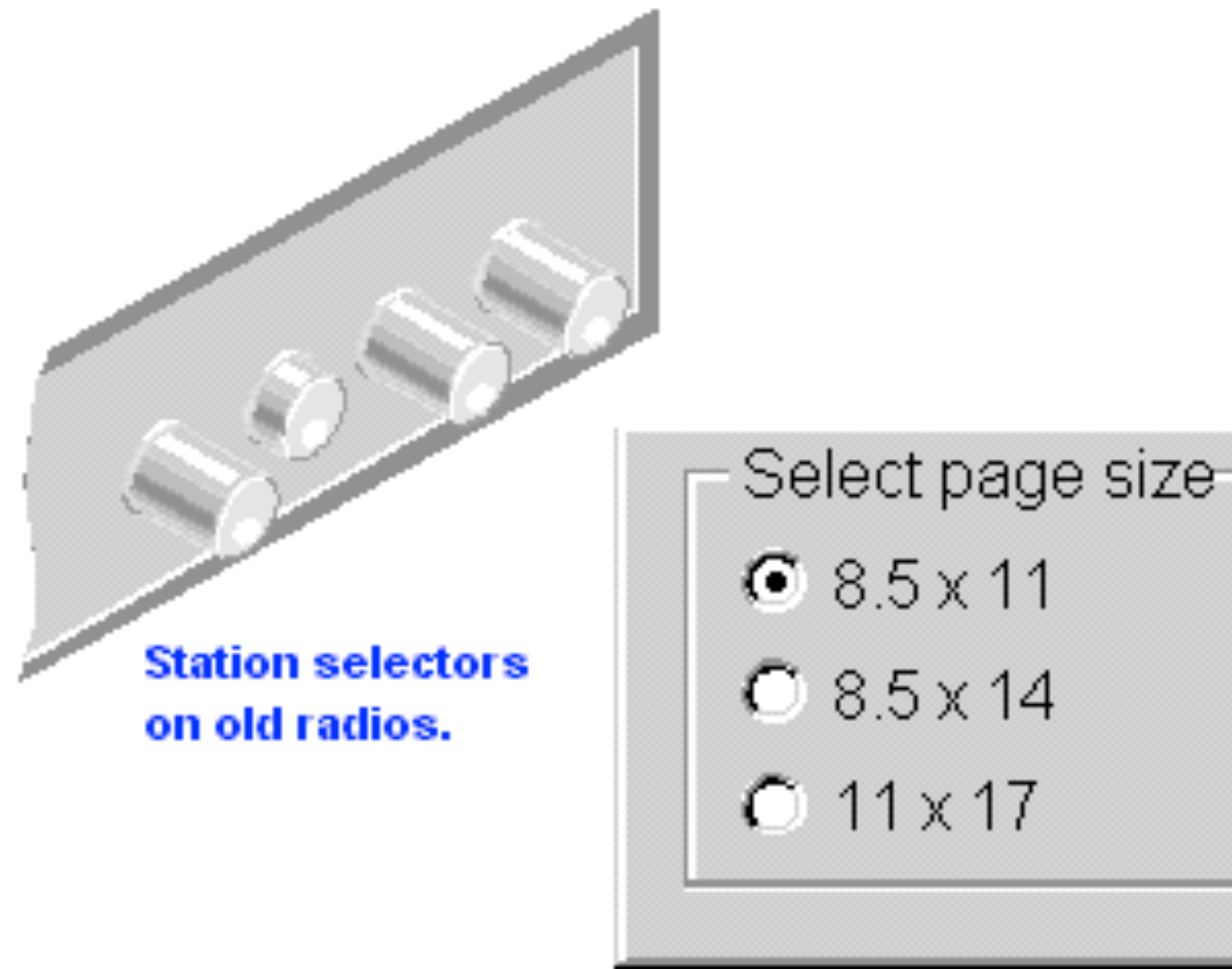
Simple one liner input field

CHECKBOX

Clickable box with some kind of tick mark to show selected states, generally suited for multiple selection

From Computer Desktop Encyclopedia
© 1998 The Computer Language Co. Inc.

Station selectors on old radios.

Select page size
- ● 8.5 x 11
- ○ 8.5 x 14
- ○ 11 x 17

RADIO BUTTON

Used to set a flag or select single item from multiple selection mostly when one input is mandatory
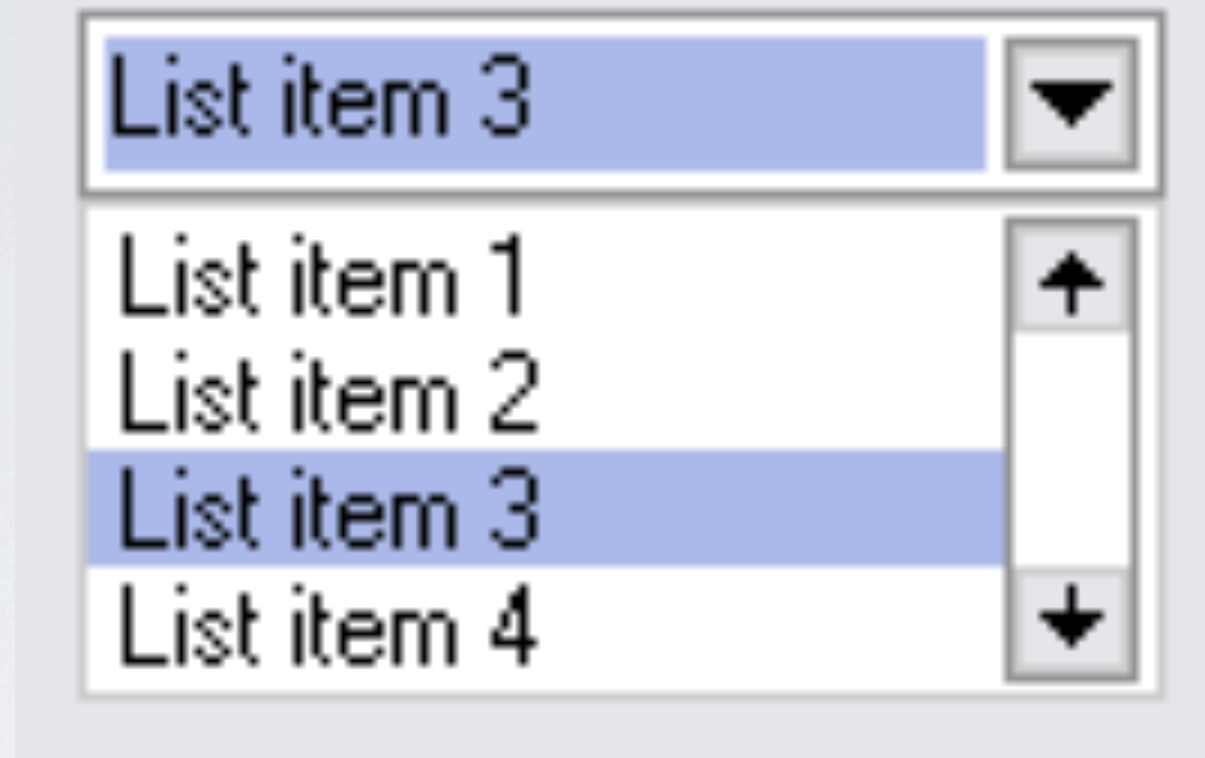
DROP-DOWN LIST
elements which appears as list of selectable items, might contail own set of behavior (multiple select, scrollable, indexed etc.)
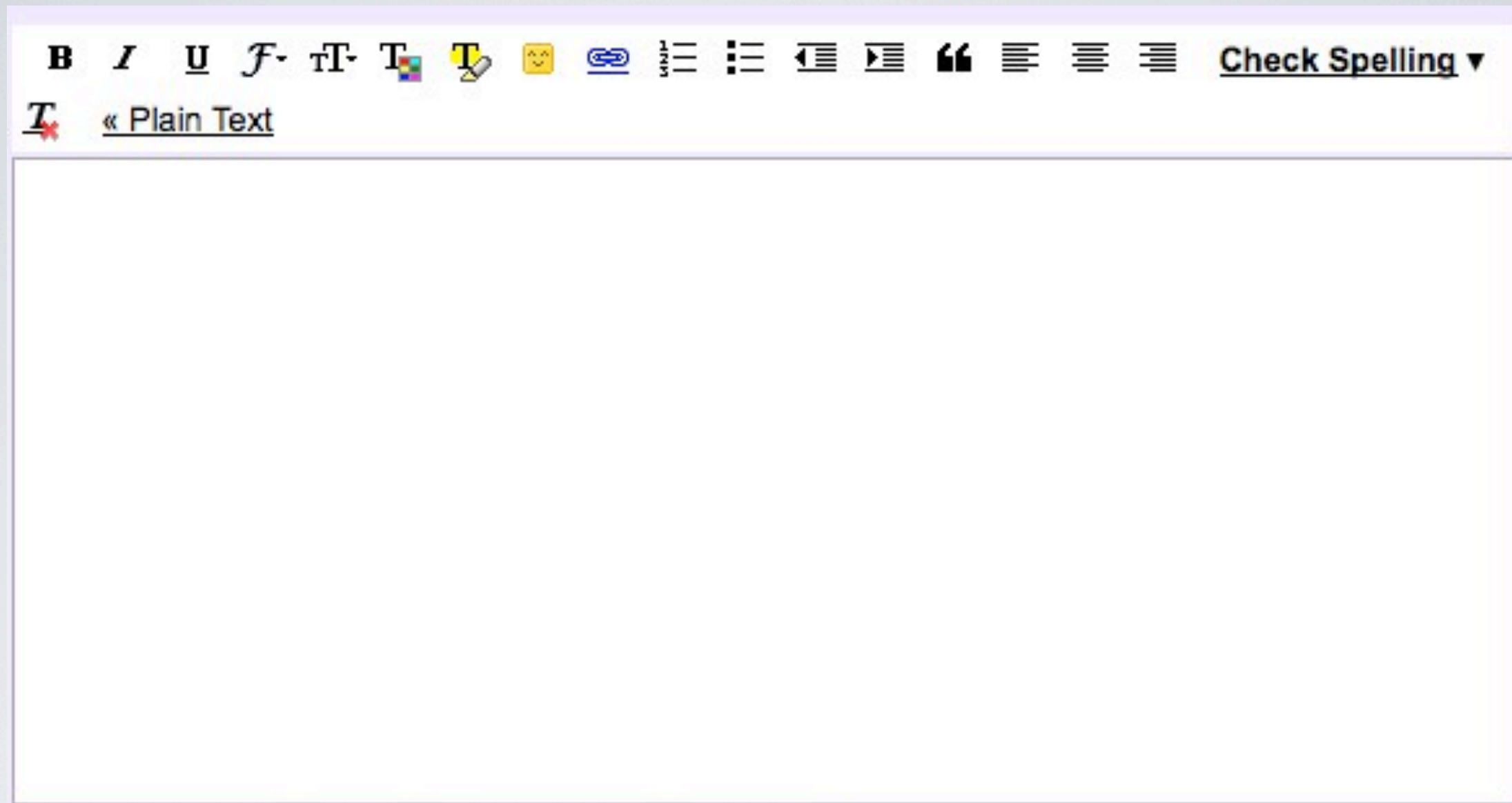
TEXT ENTRY

multiple lines of text entry for entering larger chunk of text, sometime with inbuilt editor.

BUTTONS
clickable item with different features to support submission, rejection, selection action on webform

MOBILE VERSION

presents different affordance, easier to use, navigate in mobile device.
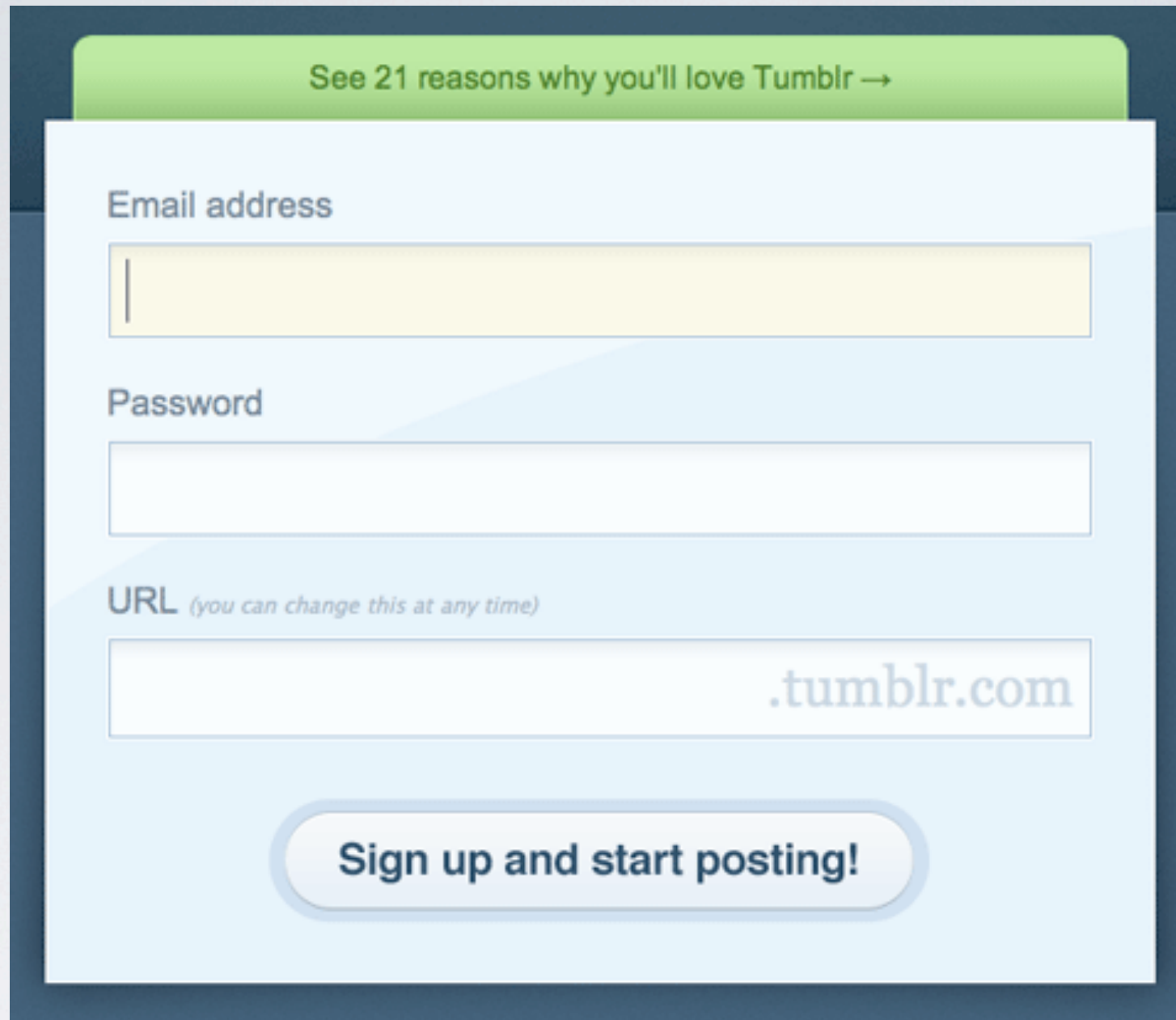
DESIGN GUIDELINE

STUDY FROM EYE TRACKING

- Make the form fields vertical, not horizontal

- Left-aligned labels are clearer

- People tend to fill out all form fields regardless

- Headlines draw eyes before pictures

- People scan the left side of everything

- The first few words of headlines are very important

- Single column designs produce the most eye fixations

- Scrolling is okay

- Introductory paragraphs get read

- People read the headline and the first paragraph before scanning the left side of the content

- Headlines should start with keywords to pull the eyes from the left margin

Use a simple vertical layout with labels above the input fields.
If left aligned, make it bold.

Differentiate primary and secondary action with visual clues (colors, size, borders, proximity etc.)

First line of address

Second line of address | Optional

Town / City

County | Optional

Post Code

Denote optional field clearly, asterisk are merely visible or viewed.

Don't use real time feedback
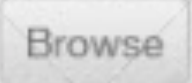
let user know about multiple segmentation

use grid, proximity, closure, common fate etc. to group and distinct elements in form.

What's your Name ?

use human language, sometime even a bit of humor won't hurt

Registration process

Name

Paul Andrew

What's your name?

E-mail

Stop cowboy! Type a valid e-mail please :P

Password

Ey! Remember: At least 5 characters: letters, numbers and '_'

Confirm Password

Confirm password

validate the form
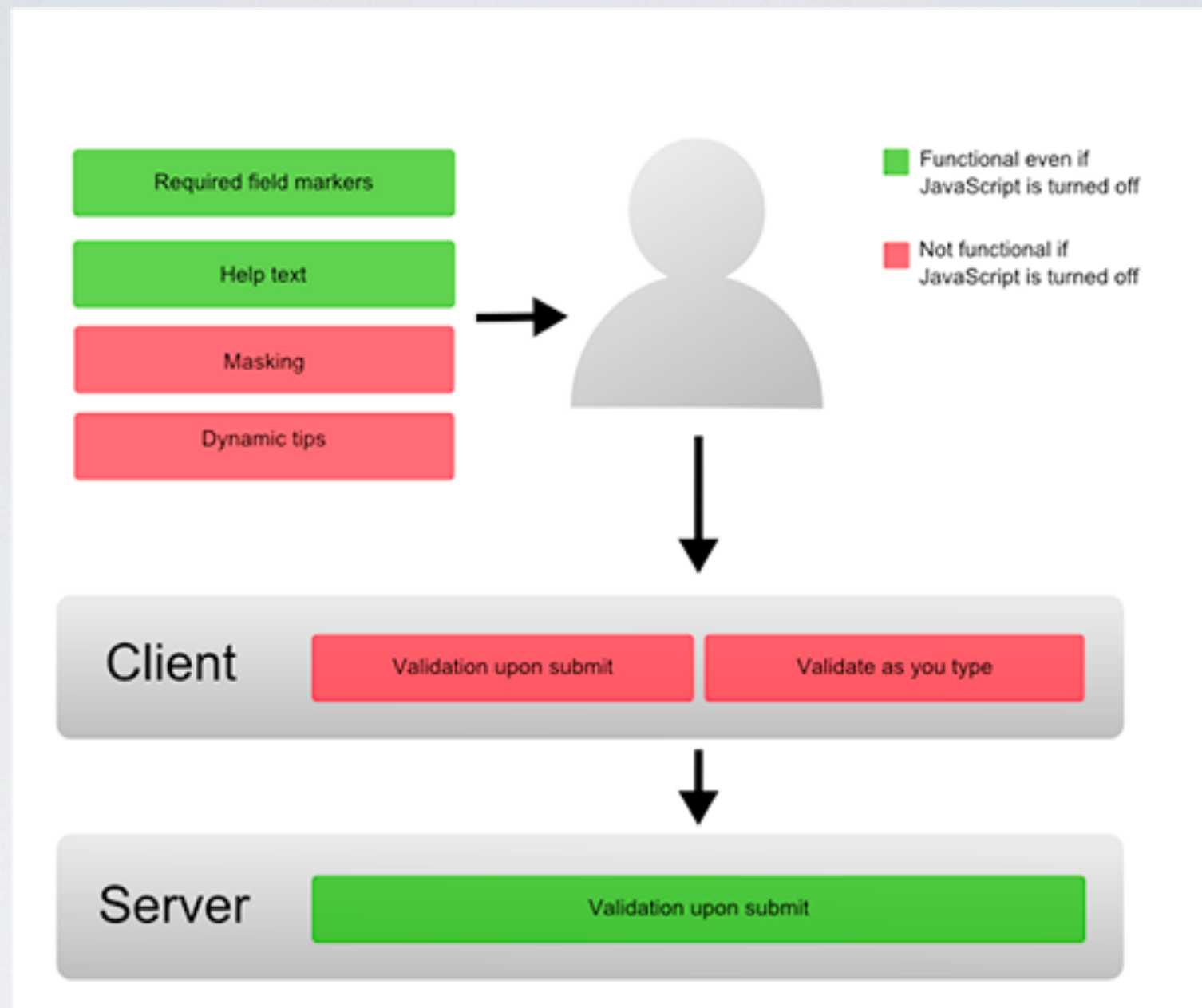
VALIDATION TYPE

Server side and Client side validation can be mixed for better result

CAPTCHA

ARE YOU HUMAN?
simple verification to know you won't be spammed

IMAGE CAPTCHA

Alternatively use image as captcha

AVOID PITFALL

can you tell me which one is 'daphen'

To prevent spam please solve this simple math
problem below

14 - 9

Answer : [   ] Submit

Captcha Math Copyright © 2008 Nickolas Whiting

MATH CAPTCHA

use math as captcha but ...

MATH CAPTCHA

... It's so hard to be human sometime!

BEST PRACTICES

DESIGN

ELEMENT PLACEMENT

ICONIC

MULTIPAGED

METAPHOR

TOUCH VISION

MANY THANKS