

JCAPTCHA



What Is JCAPTCHA?

- JCAPTCHA is a java library for CAPTCHA
- CAPTCHA stands for **C**ompletely **A**utomated **P**ublic **T**est to tell **C**omputers and **H**umans **A**part
- A CAPTCHA is a program that can generate and grade tests that most humans can pass, but current computer programs can't pass.

Types of CAPTCHAs - GimpY

- Based on the human ability to read extremely distorted and corrupted text, and the inability of current computer programs to do the same.
- works by choosing a certain number of words from a dictionary, and then displaying them corrupted and distorted in an image; the user is asked to type the word
- developed for Yahoo! to keep bots out of chatrooms, prevent bots from entering classified ads, and to prevent bots from signing up for email addresses

Types of CAPTCHAs - GimpY

YAHOO! MAIL

Verify Your Registration

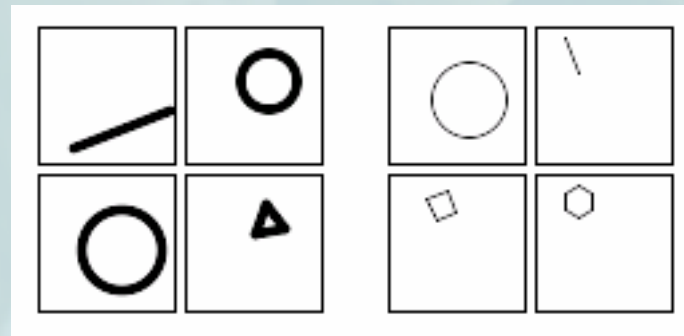
* Enter the code shown: [More info](#) 

This helps Yahoo! prevent automated registrations.

6c3/eDL

Types of CAPTCHAs - Bongo

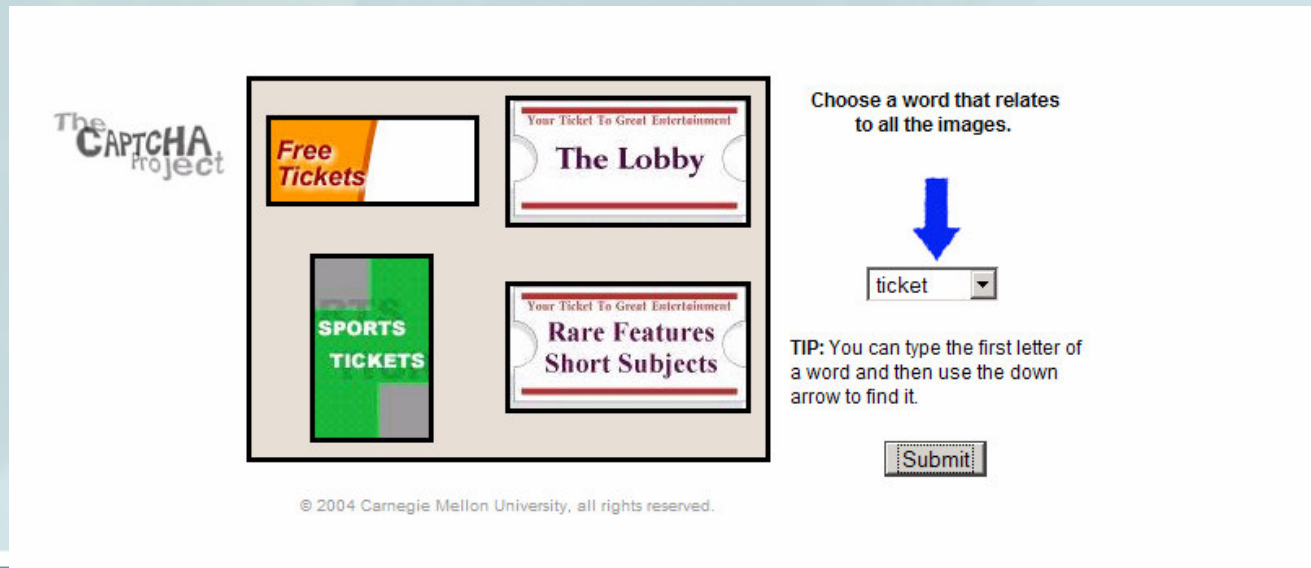
- **Bongo** - a program that displays two series of blocks, the left and the right series. The blocks in the left series differ from those in the right



- The test presents a shape asks the user if the shape belongs to the left series or the right series

Types of CAPTCHAs - PIX

- PIX is a program that has a large database of labeled images. The program picks an object at random, finds 4 random images of that object from its database and then asks the question "what are these pictures of?"



The CAPTCHA project

Free Tickets

Your Ticket To Great Entertainment
The Lobby

SPORTS TICKETS

Your Ticket To Great Entertainment
Rare Features
Short Subjects

Choose a word that relates to all the images.

ticket

TIP: You can type the first letter of a word and then use the down arrow to find it.

Submit

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Types of CAPTCHAs - Sounds

- Sounds can be thought of as a sound version of Gimpy. The program picks a word or a sequence of numbers at random, renders the word or the numbers into a sound clip and distorts the clip. It then presents the distorted sound clip to its user and asks the user to type in the contents of the sound clip.
- Can be used for visually impaired

What are CAPTCHAs used for?

- CAPTCHAs are used to prevent automated bots/scripts from spamming sites and performing automatic account sign-ups
 - bulletin boards
 - web mail
 - chatrooms

What does JCAPTCHA Provide?

- Java library for producing CAPTCHAs
- CAPTCHAs supported:
 - Gimpy (many varieties of this)
 - PIX (they call it Fisheye)
 - Sound
- Provides:
 - configuration with Spring
 - integration with :
 - Acegi and JEE security models
 - Struts
 - Roller and Blojsom blogs
 - usage stats through JMX

Where can I find out more?



- JCAPTCHA - <http://jcaptcha.sourceforge.net/>



- CAPTCHA – <http://www.captcha.net/>