

# Towards Web 3.0...



- Web 1.0
- Web 2.0
- Web 3.0
- Technology hype?
- Internet as seen by our kids?



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Name Zappos.com CEO - Tony

Location Las Vegas

Web <http://www.zappos.com>

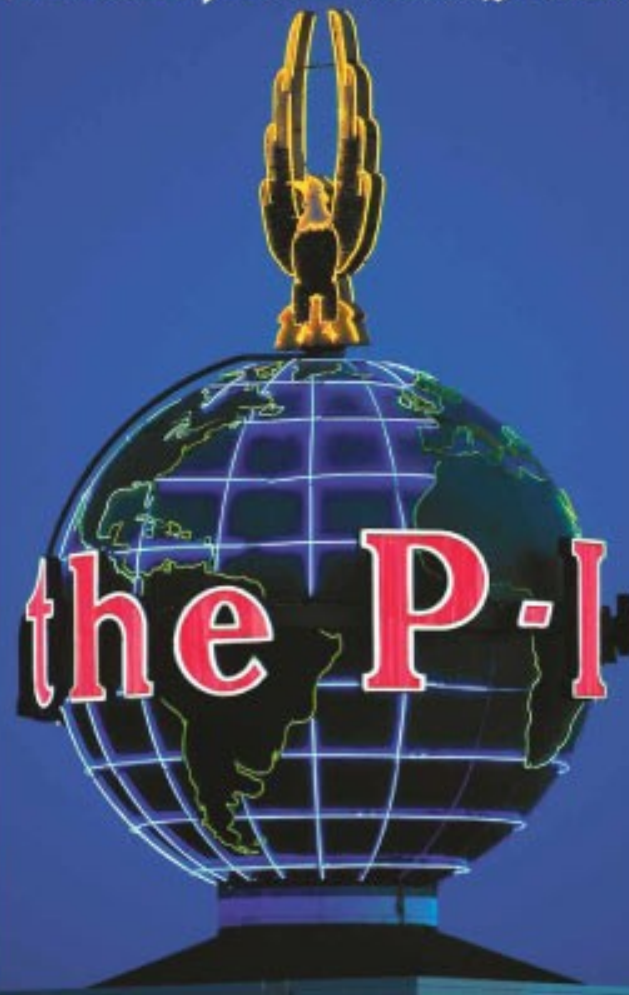
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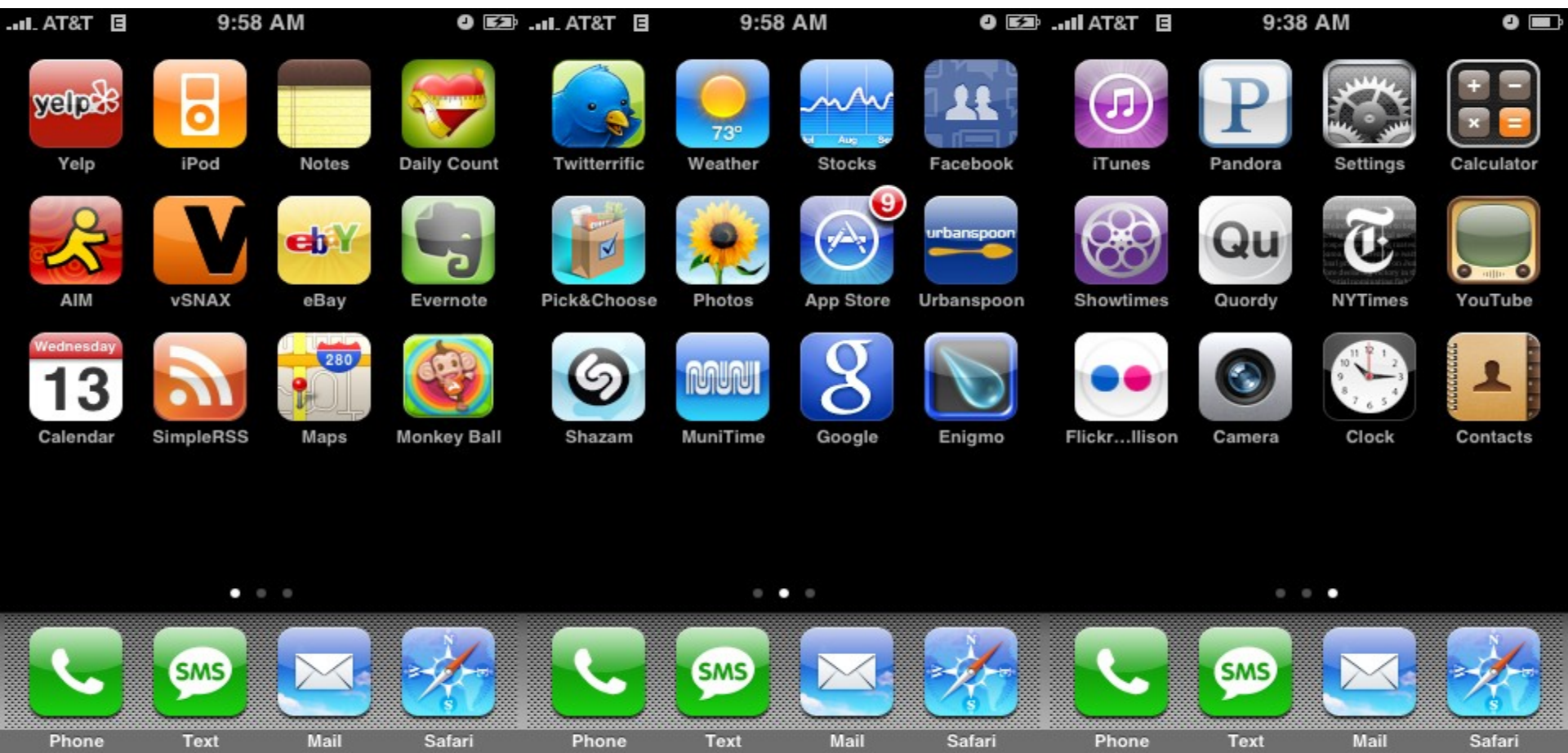
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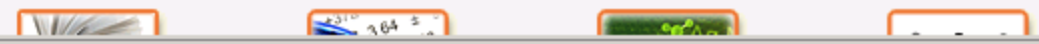
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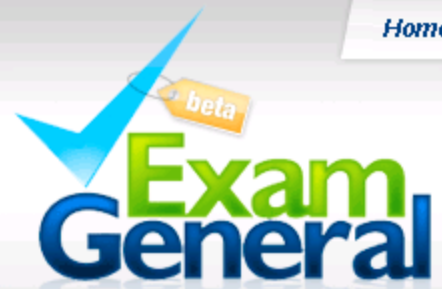


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#### Computer Games and Simulations for Investigation and Education

Believe it or not, computer games can be educational. Prof. Eric Klopfer's *Computer Games and Simulations for Investigation and Education* is a project-based look at how we learn from interactive computer environments. Be sure to check out the student projects in the [Projects](#) section.





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
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- Sample inputs:** 7/8   ▀   population France/Germany
- 
- 46 kph to ft/sec   ▀   2000 euros   ▀    $x^3 - x^2 + 2 = 0$
- 
- Echostar 1   ▀   define happy   ▀   AC source 110V
- 
- 1, 3, 4, 7, 11, ...   ▀   bcc lattice   ▀   trochoid   ▀   [more](#) »
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# WolframAlpha™ computational... knowledge engine

India

Assuming "India" is a country | Use as a given name instead

Input interpretation:

India

Mathematica form

Name:

More

full name	Republic of India
full native name	Bharatiya Ganarajya
internet code	.in

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- enter any city (e.g. a home town)  
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- enter any two stocks  
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- enter any calculation  
\$250 + 15%
- enter any math formula  
 $x^2 \sin(x)$

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Geographic properties:

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area	$3.288 \times 10^6 \text{ km}^2$ (square kilometers) (world rank: 7 <sup>th</sup> )
------	---

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population	1.17 billion people (world rank: 2 <sup>nd</sup> )
population density	393 people/km <sup>2</sup> (people per square kilometer) (world rank: 29 <sup>th</sup> )
population growth	1.49% per year (world rank: 94 <sup>th</sup> )
life expectancy	69.9 years (world rank: 149 <sup>th</sup> )
median age	25.1 years (world rank: 129 <sup>th</sup> )

[Units »](#)

Cultural properties:

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languages	Hindi (19%)   Bengali (7.5%)   Telugu (7.4%)   Marathi (7.2%)   Tamil (6.5%)   ...
ethnic mix	Indo Aryan (72%)   Dravidian (25%)   other (3%)   East Asian
religions	Hinduism (74%)   Islam (12%)   Christianity (6.2%)   Ethnic Religions (3.8%)   Sikhism (2.2%)   ...



religions	Hinduism (74%)   Islam (12%)   Christianity (6.2%)   Ethnic Religions (3.8%)   Sikhism (2.2%)   ...
literacy fraction	61%

Capital city:  
**New Delhi, Delhi**

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city	population
Mumbai, Maharashtra	12 691 836
Delhi	10 927 986
Bangalore, Karnataka	
Kolkata, West Bengal	4 631 392
Chennai, Tamil Nadu	4 328 063

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- Knowledge is mainly available from internet resources
  - Knowledge is accessible to at any time, from everywhere, for everybody
- Knowledge is generated by peers
- Knowledge is shared
- Knowledge is multiform
- Knowledge must be criticized, cross certified..

# New Teacher Role

- Teachers are not anymore the depositories of knowledge
  - Teachers main purpose is not anymore to share knowledge but to organize it
- Teacher is like a coach
  - Helping to find, guide, synthesize, analyse, filter, consolidate, aggregate, .. Knowledge
- Potential audience will be the consumer and not only the students



# New ways of teaching

- Continuous
  - During and between courses
- Continuous learning
  - Ubiquitous access to learning resources
- Customized teaching
  - Through students dashboards, communities, customized websites and portals
- Drastically improved knowledge transmission
  - Videos/ podcasts/ Websites/ Wikis/ Blogs/ Social Networks etc

