

## Assistive Technology for the Blind and Visually Impaired



### Yully Cortes

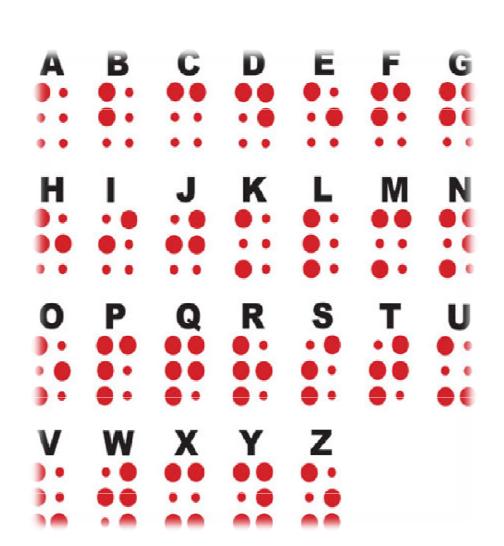
#### **Assistive Technology**

There are a variety of assistive technologies available for blind and visually impaired people, but a few are accessible in a suitable format.

- Braille Method
- Screen Readers
- Screen Magnifiers
- Electronic Travel Aids



Screen Magnifier



Basic English Braille

#### Technology Issues

Web accessibility is a major issue when navigating the internet. The most frequent accessibility issues are:

- Conceptual Problems
  - Simplicity
  - Labeling Fields
  - Rapid Access
  - Navigation Links
- Technical problems
  - Links Formulation
- Availability
- Affordability
- Appropriateness



User Interface for Simple Search

# Blind and Visually Impaired People Can Play Games

They are now able to join the video gaming fun as a result of the ever expanding range of audio games. Games allow users to:

- Build Social Skills
- Develop Educational Skills
- Provide Entertainment

TITLE	CATEGORY
Armadillo Army	Entertainment
Money Talks	Financial
Teacher's Pet	Educational
Grizzly Gulch	Entertainment
Ghilingham	Entertainment



Video and Audio Games

#### Suggested Solutions

- Set up an information campaign to inform the opinion to the technology device makers, the webmasters, and the policy makers about the accessibility issues encountered by blind and visually impaired people.
- Encourage the use of the Web Content Accessibility Guidelines (WCAG).
- Use web content accessibility validation programs to test websites accessibility.
  - Wave 3.0
  - o A-Prompt
  - HiSoftware



Web Accessibility for Everyone

Games for Blind and Visually Impaired People