The Alliance for Access to Computing Careers

UW Department of Computer Science & Engineering

DO-IT (Disabilities, Opportunities, Internetworking & Technology)
Goal

• To increase the participation of students with disabilities in computing careers.
Google agrees.

fact // 1.2 billion people globally report having a disability, and people with disabilities in the U.S. control aggregate annual income of > $1 trillion*

Google Lime Scholarship for Students with Disabilities

Access to knowledge is our thing. When it comes to higher education for promising scholars, we don't want anything to stand in the way. That's why we're proud to partner with Lime. Google is committed to helping the innovators of the future make the most of their talents by providing
Barriers to Success

• Diminished/different support systems at different academic levels
• Little access to successful role models
• Inadequate self-advocacy skills
• Lack of access to technology that can increase independence, productivity, & participation
• Inadequate accommodations
• Low expectations & other negative attitudes on the part of people with whom they interact

- National Organization on Disabilities
Lack of access & Inadequate accommodations
Accessibility Options

Keyboard

StickyKeys
Use StickyKeys if you want to use SHIFT, CTRL, ALT, or Windows logo key by pressing one key at a time.

- Use StickyKeys
- Settings

FilterKeys
Use FilterKeys if you want Windows to ignore brief or repeated keystrokes, or slow the repeat rate.

- Use FilterKeys
- Settings

ToggleKeys
Use ToggleKeys if you want to hear tones when pressing CAPS LOCK, NUM LOCK, and SCROLL LOCK.

- Use ToggleKeys
- Settings

Show extra keyboard help in programs

Sound

Display

Mouse

General

Accessibility Wizard

Welcome to the Accessibility Wizard

This wizard helps you configure Windows for your vision, hearing, and mobility needs.

If you are using an input device other than a mouse, instead of clicking, use the appropriate action to complete commands or select items throughout the wizard.

To continue, click Next.
Assistive technology may be part of the solution, but AT alone does not remove all barriers.
Image Tag Accessibility Attributes

Alternate text: |
Long description: http://

If you don’t want to enter this information when inserting objects, change the Accessibility preferences.
Well, here we are obviously in front of our nation's capitol.
In the **screen reader view**, the table is static and grades may be entered on the Grade Details page accessed by selecting the table cell for the grade. In the interactive view of the Grade Center, grades can be typed directly in the cells. Use the arrow keys or the tab key to navigate through the Grade Center and the Enter key to submit a grade.

**Grade Center**

In the **screen reader view**, the table is static and grades may be entered on the Grade Details page accessed by selecting the table cell for the grade. In the interactive view of the Grade Center, grades can be typed directly in the cells. Use the arrow keys or the tab key to navigate through the Grade Center and the Enter key to submit a grade.

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First Name</th>
<th>Username</th>
<th>Student ID</th>
<th>Last Access</th>
<th>Availability</th>
<th>Weighted Grade</th>
<th>Attendance</th>
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</tr>
</tbody>
</table>
IT Accessibility

Terry Thompson
Technology Specialist
DO-IT & AccessIT
University of Washington
tft@u.washington.edu
As we create, purchase, teach, and use new technologies, how can we ensure that they don’t erect new barriers?
Legal Requirements

• Section 504 of the Rehabilitation (1973)
• Americans with Disabilities Act (1990)
• Section 508 of the Rehabilitation Act, Amended in 1998
Guidelines & Standards

- W3C Web Content Accessibility Guidelines 2.0
  - Perceivable
  - Operable
  - Understandable
  - Robust
- Section 508 Standards
Barriers to Success (Revisited)

- Diminished/different support systems at different academic levels
- Little access to successful role models
- Inadequate self-advocacy skills
- Lack of access to technology that can increase independence, productivity, & participation
- Inadequate accommodations
- Low expectations & other negative attitudes on the part of people with whom they interact

- National Organization on Disabilities
Exploring This Problem Today

• Student Perspective
• Other Stakeholders
  – What can we do to help?
  – How can we collaborate?
• Everyone
  – What are the problems?
  – What are the solutions?
  – What are the next steps?