

ARCHIVAL NOTICE & PRESENTATION FORMAT

Historical Teaching & Professional Material Archive

Archival Notice

This presentation is preserved **solely for historical and archival purposes**.

- The content reflects the **state of knowledge, tools, technologies, and industry practices** available at the time the lecture was originally delivered.
- Examples, recommendations, and technical references are **intentionally time-bound** and may no longer represent current best practices.
- This material is retained to document **teaching methodology, professional experience, and industry context** during the stated period.

Presentation Format Explanation

This archived version intentionally displays **both slide content and speaker notes** to preserve full instructional context.

- **Slide Presentation Area (~80%)**
Displays the original visual content used during the lecture.
- **Speaker Notes Area (~20%)**
Displays the instructor's verbal explanations, teaching intent, and contextual clarifications in a smaller font.

Speaker notes are included **for documentation, academic review, and historical reference**, and were not intended to be visible to the original live audience.

Intended Use of This Archive

This material is intended for:

- Academic and professional portfolio review
- Teaching and curriculum documentation
- Historical reference of IT education and industry practices
- Analysis of pedagogy and professional development over time

This material is **not intended** to serve as:

- Current technical guidance
- Up-to-date industry instruction
- A live presentation without revision or contextual update

Author's Statement

This archive represents the author's **professional and teaching experience** during the period indicated and is preserved to reflect its **original context and intent**.

Historical Course Material - Web Programming Mindset | January 6, 2003, STI College Southwoods

Web Programming Mindset

Introduction to Web Development as a Career Track

Lecture for 1st Year BSCS and BSIM Students
January 6, 2003
STI College Southwoods

**Abegail Torrendon, BSCS Student
Research & Development TEAM**



Speaker's Notes

Initial slide for the topic

Web Programming Mindset

Introduction to Web Development as a Career Track

Ohayo! I'm Abby

- BSCS Student
- 2002 and 2003 National Champion: GIFs & TAGs Website Competition
- Dev (SA) at Research & Development TEAM of STI College Southwoods

STI College Southwoods

January 6, 2003



Speaker's Notes

- Introducing myself to the audience
- Currently enrolled as BSCS Student in the same school
 - Active with national competitions
 - Currently a Dev (Student Assistant) at Research & Development TEAM

Web Programming Mindset

Introduction to Web Development as a Career Track

Lecture Objectives

- Understand what web programming is
- Learn how the web is changing systems
- Identify required skills
- Explore web careers



Speaker's Notes

Explain goals:

- This lecture is not a programming tutorial, but a mindset discussion.
- Emphasize that understanding the direction of technology is as important as learning syntax.
- Awareness, career direction, fundamentals.

Web Programming Mindset

Introduction to Web Development as a Career Track

Internet Landscape

- Internet use growing in PH
- Dial-up as common connection, *Broadband is going to be available soon*
- Internet cafes/shops popular as hangout place or for research and network gaming
- Email, chat, games, download media, and material searching



Speaker's Notes

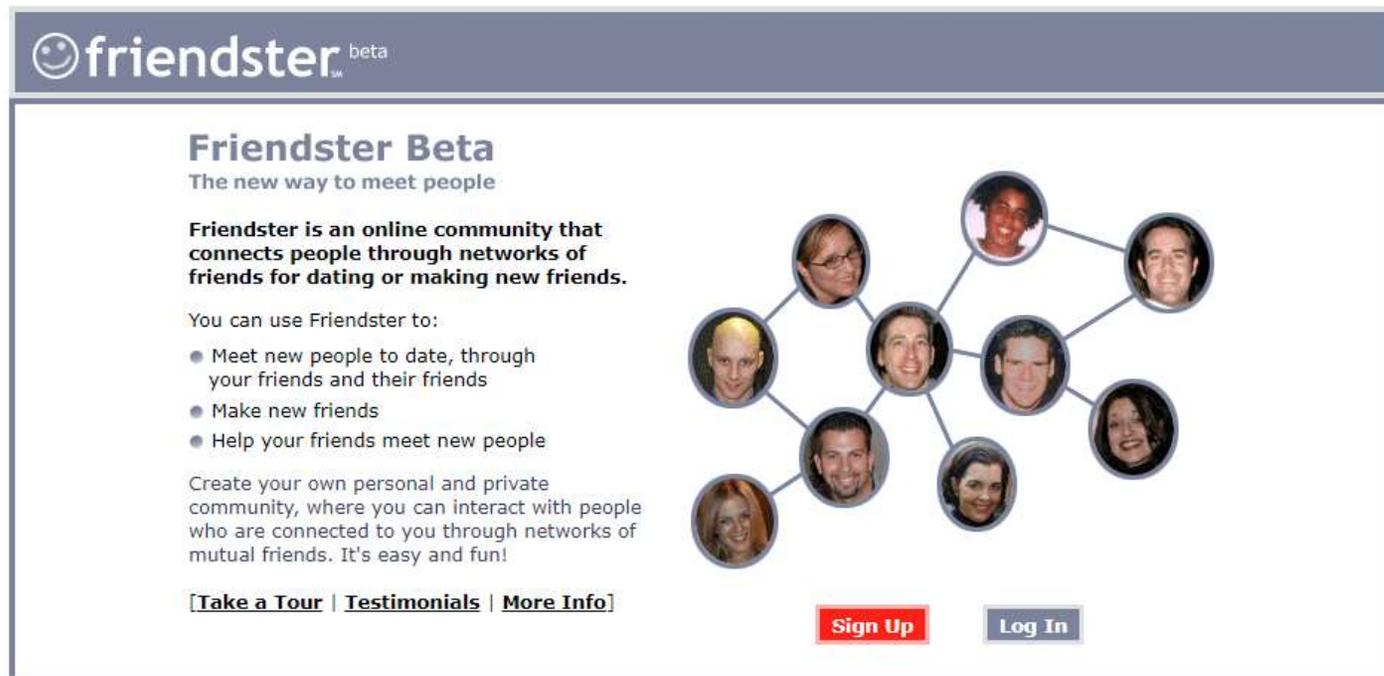
Explain goals:

- Dial-up is the most common connection, there's talks about implementing Broadband within this year (expensive)
- Dial-up is slow and how most people still see the internet as "extra," not essential, thus Internet cafes/shops are common than having your own connection at home
- List down the common activities for using internet

Web Programming Mindset

Introduction to Web Development as a Career Track

Influential Websites



The screenshot shows the Friendster Beta website. At the top left is the logo "friendster beta" with a smiley face icon. Below the logo, the text reads "Friendster Beta" and "The new way to meet people". A paragraph states: "Friendster is an online community that connects people through networks of friends for dating or making new friends." Below this, it says "You can use Friendster to:" followed by a bulleted list: "Meet new people to date, through your friends and their friends", "Make new friends", and "Help your friends meet new people". Another paragraph says: "Create your own personal and private community, where you can interact with people who are connected to you through networks of mutual friends. It's easy and fun!". At the bottom of the main content area are three links: "[Take a Tour | Testimonials | More Info]", a red "Sign Up" button, and a grey "Log In" button. A network diagram of ten circular profile pictures connected by lines is positioned to the right of the text. At the very bottom of the screenshot, there is a footer with links: "About Us | Contact Us | Store | Help | Terms of Service | Privacy Policy" and "Copyright © 2002-2003 Friendster, Inc. All rights reserved. Patent Pending."

Speaker's Notes

- Discuss popular PH websites students recognize:
- Friendster.
- Add friends to your "Friend Lists"
 - Can contact people via private messages, upload pictures and post testimonials to your friends
 - Asked students what are the website's other functionalities?

Web Programming Mindset

Introduction to Web Development as a Career Track

Influential Websites

The screenshot shows the Yahoo! homepage with various navigation links and advertisements. At the top, there are icons for Personalize, Finance, Shop, the Yahoo! logo, Email, Messenger, and Help. Below these is a search bar with a 'Search' button and links for 'advanced search' and 'most popular'. The main content area includes a 'New!' section with 'Yahoo! Downloadable Games - Play now', a 'Shop' section with links to Auctions, Autos, Classifieds, Real Estate, Shopping, and Travel, a 'Find' section with links to Careers, Maps, People Search, Personals, and Yellow Pages, and a 'Connect' section with links to Chat, GeoCities, Greetings, Groups, Mail, Messenger, and Mobile. There is also an 'Organize' section with links to Addresses, Briefcase, Calendar, My Yahoo!, PayDirect, Photos, Games, Horoscopes, Kids, Movies, Music, and TV, and an 'Info' section with links to Finance, News, Sports, and Weather. A 'More Yahoo!...' link is also present. On the right side, there is a 'FANTASY FOOTBALL' advertisement for the 2003 season starting on September 5th, a 'Personal Assistant' section with a 'Sign In' link and a prompt to 'Sign up to personalize Yahoo!', and an 'In The News' section with a timestamp of 9:09am, Sun Sep 1 and a list of news items: 'Germany may withhold 9/11 evidence', 'Israeli helicopter missile strike kills five', 'Earth Summit generates tons of trash', 'Jazz great Lionel Hampton dies at 94', 'A's win 17th for longest streak since '53', and 'U.S. Open · College football · MI B · NFL'.

STI College Southwoods

January 6, 2003



Speaker's Notes

- Discuss popular PH websites students recognize. Yahoo.
- Commonly used for searching
 - Yahoo Email
 - Yahoo Messenger
 - Asked students what are the website's other functionalities?

Web Programming Mindset

Introduction to Web Development as a Career Track

Influential Websites



Hotmail®

MSN Hotmail has a better experience for you!
Now MSN Hotmail gives you what you've been asking for. More storage space, large attachments that get delivered, and guaranteed access to your account no matter how often you sign in. [Sign-in to your account & sign up today!](#)

All About Hotmail
[Frequently Asked Questions](#)
[Virus Protected E-mails](#)
[SSL Sign-In](#)
[How To Link To Hotmail](#)
[Contact Us](#)
[Languages](#)

New to Hotmail?

Sign Up for an E-Mail Account! ([Why Sign Up?](#))
(and get a Microsoft® .NET Passport!)

Already have a Hotmail account?

Sign-In Name

 @

Password

[Forgot Your Password?](#)
[Problems Signing In?](#)

Security Options ([what's this?](#)) :

- Public/shared computer.
- Keep me signed in to this and all other .NET Passport sites unless I sign out.
- Neither

Speaker's Notes

Discuss popular PH websites students recognize. Hotmail.

- Commonly used for emails.
- Asked students what are the website's other functionalities?



Web Programming Mindset

Introduction to Web Development as a Career Track

Influential Websites



Speaker's Notes

- Discuss popular PH websites students recognize. Google.
- Commonly used for searching (better than Yahoo).
 - Asked students what are the website's other functionalities?



Web Programming Mindset

Introduction to Web Development as a Career Track

Influential Websites

The screenshot shows the Angelfire website interface. At the top left is the Angelfire logo. Below it is a navigation menu with categories like 'ON ANGELFIRE', 'ZONES', and 'ON LYCOS'. The main content area features a 'BUILD A HOMEPAGE!' section with a cartoon illustration of a man and a woman, and a 'COOL PAGES' section with a link to 'Hershee's Kissez'. The 'YAHOO! GeoCities' logo is prominently displayed in the center. Below the logo is a 'Sign in to Yahoo!' section with input fields for 'Yahoo! ID:' and 'Password:', a 'Remember my ID & Password' checkbox, and a 'Sign in' button. To the right of the sign-in section is a promotional banner for 'The Way to Build a Better Web Site' featuring two images: one of a woman working on a laptop and another of a group of people in business attire. Below these images are two columns of text: 'GeoCities Pro' with the tagline 'Everything you need to create a personal web site.' and 'Business Web Hosting' with the tagline 'Establish your business online with secure, reliable hosting from Yahoo!'. At the bottom of the page, there is a blue footer bar with the text 'STI College Southwoods' on the left, 'January 6, 2003' in the center, and the STI logo on the right.

Speaker's Notes

- Discuss popular PH websites students recognize. Angelfire and Yahoo GeoCities.
- Commonly used for hosting static websites.
 - Asked students what are the website's other functionalities?

Web Programming Mindset

Introduction to Web Development as a Career Track

Influential Websites

The image shows two screenshots of influential websites. The top screenshot is the Winamp website, featuring the Nullsoft Winamp logo, a navigation menu with links like Home, Winamp, Music, Skins, Components, Videos, Community, and Develop, and a prominent banner for Winamp 2.0. The bottom screenshot is the Napster website, displaying the Napster logo, navigation links for Napster Information, Napster Gear, Napster Music Card, and Napsterbits, and a large promotional banner for Napster 2.0 with a 'Free Install' button and a 'FREE TRIAL' offer.

Speaker's Notes

Discuss popular PH websites students recognize. Winamp and Napster.

- Commonly used for audio media downloads.
- Asked students what are the website's other functionalities?

Web Programming Mindset

Introduction to Web Development as a Career Track

Why Web Will Grow

- Business demand
- Online communication
- Accessibility

Future Outlook:

= Systems go online, High demand

Impact in the Philippines:

= Communication, IT jobs, Community



Speaker's Notes

Why web demand will increase in coming years (Social and economic impact of web tech).

- In the next 10 years, web development will become one of the most in-demand IT skills
- This is based on trends, not hype, as there's a start of demand for growth of online systems
- Show JobsDB and JobStreet job roles online (Alt+Tab)

Web Programming Mindset

Introduction to Web Development as a Career Track

Web Careers

- Web Designer
- Web Programmer / Developer
- Systems Developer



Speaker's Notes

Outline possible web-related IT careers.

- Web Designer – focused with the layouts
- Web Programmer/ Developer - focused with the functionality
- System Developer - same, but not just with website applications

Web Programming Mindset

Introduction to Web Development as a Career Track

Web Programmer Mindset

- Continuous learning
- Debugging patience
- Logical thinking



Speaker's Notes

- Need to emphasize:
- Stress patience, curiosity, and continuous learning.
 - Emphasize frustration is normal. Web developers often debug small issues for hours.
 - The ability to persist matters more than talent.

Web Programming Mindset

Introduction to Web Development as a Career Track

Any questions?



Speaker's Notes

Ask audience for any questions, after 1-2 questions (give freebies for those who asked questions) or if there's none, ask the following (and give some of the freebies as reward):

- Which connection will be available within this year, and it's an upgrade of the dial-up connection services?
- What are the three mindsets (or at least name one) of you want to be a Web Developer?

Web Programming Mindset

Introduction to Web Development as a Career Track

What is Web Programming?

- Website & web system development
- Combines design & logic
- Enables interaction

CORE SKILLS:

HTML, CSS, JavaScript, PHP/ASP, Databases



Speaker's Notes

- Clarify difference between web programming and simple design.
- Clarify that web programming is not just design.
- Stress that logic, data handling, and problem solving are involved, similar to traditional programming.
- Overview of core technologies without deep dive.

Web Programming Mindset

Introduction to Web Development as a Career Track

HTML, CSS & JavaScript

- Page structure
- Text, images, links
- Forms & tables
- Page appearance
- Layout & spacing
- Form validation
- Browser interactivity



Speaker's Notes

- HTML as structure and foundation. CSS as presentation layer, still evolving in 2003. JavaScript for validation and interaction. Explain each as a layer:
- Avoid deep technical details, keep it conceptual.
- Keywords: HTML = structure, CSS = appearance, JavaScript = behavior

Web Programming Mindset

Introduction to Web Development as a Career Track

Server-side Programming

- Runs on server
- Handles data
- Generates pages

PHP + MySQL and/or ASP + Access

- Server scripting and Database storage



Speaker's Notes

- Server-side logic explained simply.
- PHP/MySQL popularity and accessibility.
- ASP for Microsoft-based alternative stack.

Web Programming Mindset

Introduction to Web Development as a Career Track

PHP vs ASP Local Setup

- **XAMMP**
 - Apache
 - PHP
 - MySQL
 - phpMyAdmin
- **IIS**
 - ASP
 - MS Access

Speaker's Notes

- Overview of PH and ASP requirements/setup
- Importance of local testing before upload.



Web Programming Mindset

Introduction to Web Development as a Career Track

Learning Resources

W3Schools, Books and Practice



Leading the Web to its Full Potential...

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The World Wide Web Consortium (W3C) develops interoperable technologies (specifications, guidelines, software, and tools) to lead the potential. W3C is a forum for information, commerce, communication, and collective understanding. On this page, you'll find [W3C news technologies](#) and ways to [get involved](#). New visitors can find help in [Finding Your Way at W3C](#). We encourage you to learn [more about W](#)

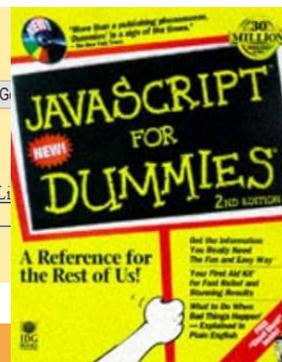
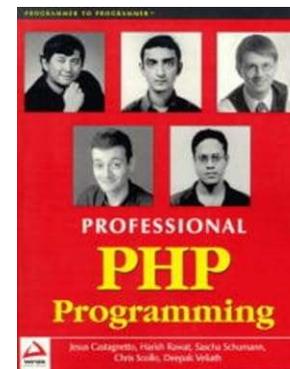
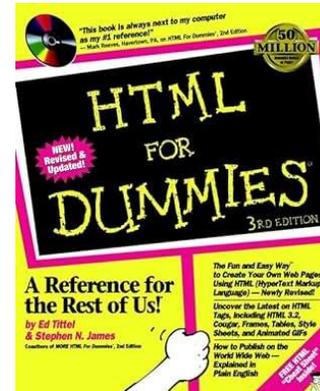
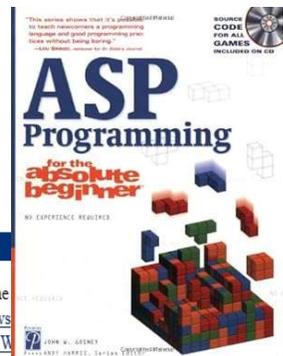
W3C A to Z

- [Accessibility](#)
- [Amava](#)
- [Annotea](#)
- [CC/PP](#)
- [CSS](#)
- [CSS Validator](#)
- [Device Independence](#)

► Royalty-Free Patent Policy Last Call Published

14 November 2002: The Patent Policy Working Group has released the [Royalty-Free Patent Policy](#) as a Last Call Working Draft. The draft governs the handling of patents in the process of producing and implementing W3C Recommendations. [Comments](#) are welcome through 31 December. Read more in the [press release](#) and visit the [patent policy home page](#). ([News archive](#))

► Scalable Vector Graphics (SVG) 1.1 and Mobile



Google

Search w3.org
 Search WWW

Search W3C Mailing List

Mission

STI College Southwoods

January 6, 2003



Speaker's Notes

- Encourage books and online references like W3Schools.
- Mention W3Schools as a reference, not a replacement for practice.
- Encourage books for deeper understanding.

Web Programming Mindset

Introduction to Web Development as a Career Track

Any questions?

STI College Southwoods

January 6, 2003



Speaker's Notes

Ask audience for any questions, after 1-2 questions (give freebies for those who asked questions) or if there's none, ask the following (and give some of the freebies as reward):

- What are the keywords to describe HTML, CSS and JavaScript?
- If ASP requires IIS, what's for PHP that is already included in XAMMP?

Web Programming Mindset

Introduction to Web Development as a Career Track

Importance of Practice

- Build small sites
- Learn by doing

Your first project: Personal Website

- Practice space and Portfolio
- Ex: nocturnaldevgypsy.cjb.net



Speaker's Notes

- Practice as the main learning method.
- Personal website as sandbox.
- Show my personal website to audience to give more insight

Web Programming Mindset

Introduction to Web Development as a Career Track

Advice to Students

- Start early
- Practice
- Be curious

Conclusion

- Valuable skill
- Long-term career



Speaker's Notes

- Encourage early exploration.
- Wrap up and motivate students.

Web Programming Mindset

Introduction to Web Development as a Career Track

Thanks for attending!

Any questions?

STI College Southwoods

January 6, 2003



Speaker's Notes

- Ask audience for any questions, after 1-2 questions (give freebies for those who asked questions)
- If there's none, can, we can end the presentation