

Presentation Week4

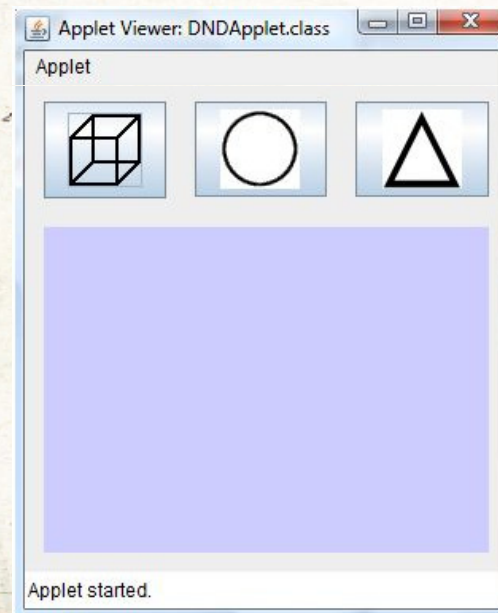
Presented by:
Hanan Alnizami

Wednesday June 19,2008



Plans for week 4:

- Introduction to Programming Using Java- Chapter 4
- Preliminary Analysis of Factors Affecting Women and African American in the Computing Science
- Creating UML Design using
- DMP Website- Updated
- Shapes Applet Project
 - Drag and Drop



Lit Review:

- In 2003, BS in CS were awarded to 17% to women, 3% to African Americans.

Table 1: Results of 2003-2004 Taulbee Survey

Table 1. Ethnicity of Bachelor's and Master's Recipients				
	Bachelor's		Master's	
	(CS and CE)		(CS and CE)	
African American	515	3%	136	2%
White	8,335	54%	2,249	26%
Total	15,317		8,536	

Table 2: Results of 2003-2004 Taulbee Survey

Table 2. Gender of Bachelor's and Master's Recipients				
	Bachelor's		Master's	
	CS & CE		CS & CE	
Male	13,081	83%	5,882	75%
Female	3,022	17%	2,160	25%
Total	19,772		9,640	

Lit Review(continue):

Reasons:

- Stereotyping –(techies) in IT industry.
 - Uninteresting and nerdy
- The Culture of IT– predominantly white males



Lit Review(continue):

- Social Factors:
 - Altering the traditional approach for teaching CS
- Cultural Factors:
 - The Institution of African American ECulture (iAAEC):
Implementing human-computer interaction geared towards culture.(CS-HCI)
 - Feeling out of place– Male dominance.

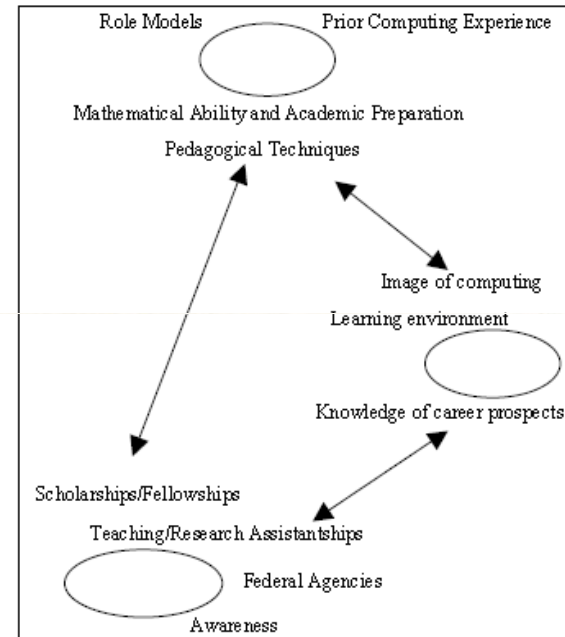


Figure 1: Social, Cultural and Financial Factors affecting women and African Americans in computing sciences.

Lit Review(continue):

- Financial Factors:

Table 3: Support from Federal Agencies (including Dept. of Defense [Army, Navy, et. al.], NSF, and the Dept. of Education

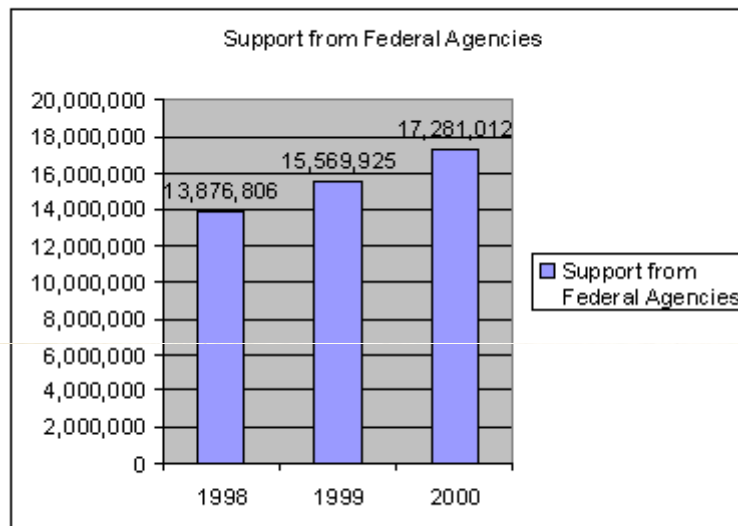
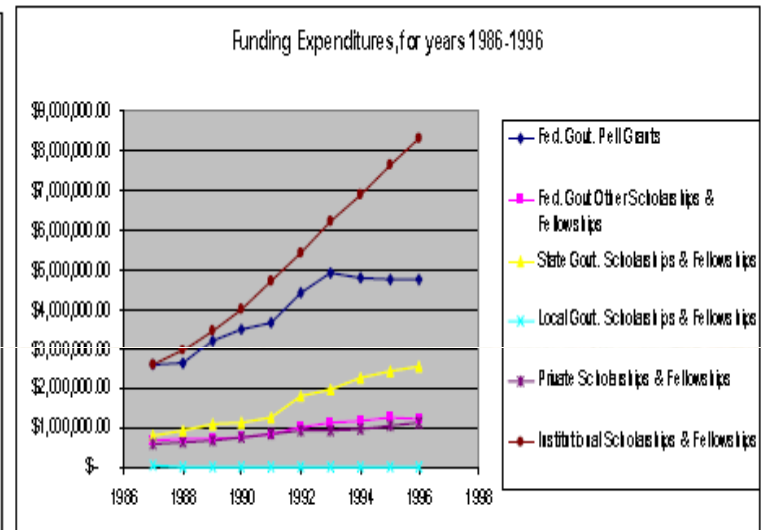


Table 4: Funding Expenditures, 1986-1996



- Replacing educational grants with loans lessens the chances of admission.

Lit Review(continue):

- Recommendations:

- i. School counselors, teachers and churches
- ii. Workshops, summer camp programs
- iii. Role Models.
- iv. Positive media
- v. Support groups for women and African Americans
- vi. Different strategies used in classrooms.



Accomplished:

- Readings
- DMP website
- CDST-NC State.

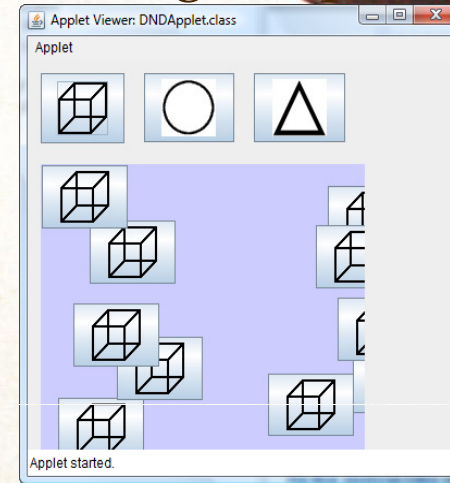
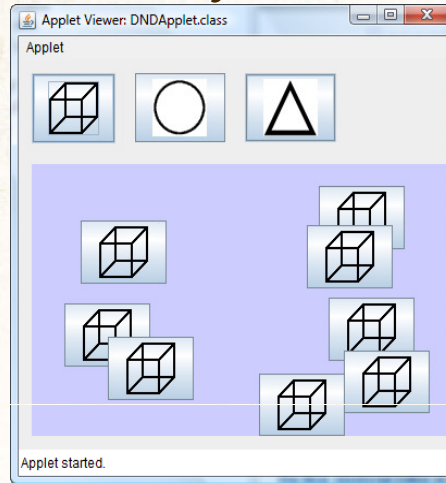
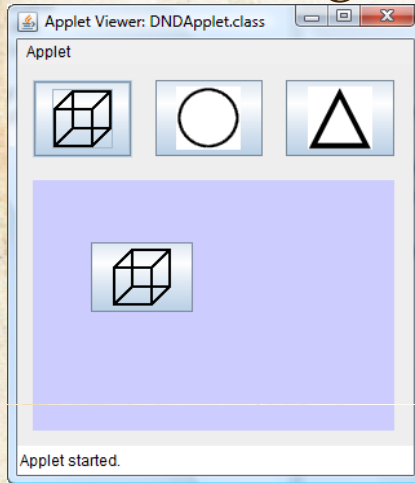
Partially Accomplished:

- Shapes Applet Project



Problems:

- Creating different layouts when adding shapes.



- How I am going about it?

-- Google

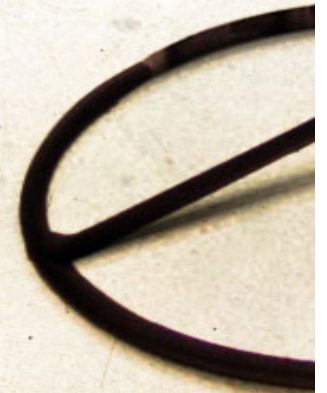
-- Sun Forums (<http://forum.java.sun.com/forum.jspa?forumID=54>)

--Mahjoob Forums

(<http://www.mahjoob.com/en/forums/forumdisplay.php?f=21>)

What's learnt:

- Drag and Drop– how it works.
- CSDT and how they work.



Week 5 Plans:

- Readings– Chapter 5, Lit Review
- Reviewing Evie's working program
- Update DMP website



References:

- *Sun Developer Network-- Forums*

(<http://forum.java.sun.com/forum.jspa?forumID=54>)

- Mahjoob Tech Talk Forums

(<http://www.mahjoob.com/en/forums/forumdisplay.php?f=21>)

- Editor Drop Target

(<http://www.java2s.com/Code/Java/Swing-JFC/EditorDropTarget.htm>)

- Eck, D. J. *Introduction to Programming Using Java*. November 2007, Geneva, NY 1-676.

- Burge, J. D. and Suarez, T. L. 2005. *Preliminary analysis of factors affecting women and african americans in the computing sciences*. (Albuquerque, New Mexico, USA, October 19 - 22, 2005).



The End

- Any questions or comments?



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DMP Summer Internship

Mentor: Dr. Tiffany Barnes

School: UNC Charlotte

