MICHIGAN STATE
U N I V E R S I T Y

Posted on Weekly Schedule

10/10:
What's ahead?

The Capstone Experience

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James Mariani

Department of Computer Science and Engineering
Michigan State University

Fall 2024

From Students…
…to Professionals

What's ahead?

- Upcoming Meetings
  - ~~10/08, Tu: Alpha Presentations~~
  - ~~10/09, We: Alpha Presentation Slide Decks Due ← Note~~
  - ~~10/10, Th: Alpha Presentations~~
  - 10/15, Tu: Alpha Presentations
  - 10/17, Th: Alpha Presentations
  - 10/22, Tu: October Break
  - 10/24, Th: Sheri Marshall, GM
  - 10/29: Tu: Toby Hall, Roosevelt Innovations
  - ⋮
  - 11/14, Th: Beta Presentations
  - ⋮
  - 12/01, Su: Project Videos Due
  - 12/04, We: All Deliverables Due
  -

Design Day Booklet

- Status
  - Template
    - Page – (Project Description) – (Artwork)
    - Corrected
  - Project Description
    - Edited by TMs and James
    - Edited by Jill
  - Artwork
    - Layout Edited
    - png's Corrected
  - Latest .docx Posted

Design Day Booklet

Team's Job

- Read and follow Dr. D.'s email carefully.
- Proofread Carefully
  - Look for typos.
  - Look for content errors.
  - Do not make stylistic changes.
- Highlight all changes.
- Highlight changes in yellow.
- Highlight ~~text to be deleted~~ but do not delete it.
- Encircle all edits with a red oval.
- Explain all edits in the textbox provided.

Computer Science CSE498 / 8:00 a.m. - Noon   Engineering Building, 1300 Hallway | First Floor

Michigan State University Men's Basketball
Spartan Basketball Player Timer

NCAA Division I basketball is very competitive. Although it may not be apparent to the casual observer, every detail of each game is carefully planned and scripted.

One aspect of a game plan is that of playing times. For each player, the coaches determine target times for how long he can play at a stretch, how long he needs to rest before playing again, and the total amount of time he should play in a game.

Developed with Coach Tom Izzo, our Spartan Basketball Player Timer is used by the basketball staff on the bench during the game.

When a player enters the game, his playing time is displayed with a solid green background. When his target playing time goes under two minutes, it is displayed in yellow. When the time goes below zero, it it is displayed in red.

The color coding provides visual cues that can be seen by coaches at a distance. If there are many yellow or red boxes, coaches begin to plan substitutions.

A game summary for all the players can be displayed at any time whether the game clock is running or stopped.

Our software runs on a Apple Microsoft Windows Tablet PC about the size of a traditional clipboard only slightly thicker. With no mouse or keyboard, all input is done with a pen.

Spartan Basketball Player Timer is written in Visual Basic. The underlying database is Microsoft Access.

Document edits to your project description in this textbox.
- Make only corrections of underlined errors, which should be minor.
- Do NOT make any stylistic edits.
- Highlight all changes in yellow.
- Highlight all text to be added in yellow.
- Highlight text to be deleted and use the strikethrough font effect, but do not delete the text.
- Encircle all changes in a red oval. See the email for instructions.
- Explain all edits. Write explanatory comments in this textbox rather than in your email. I'll delete the text box later.
- If there are no edits, indicate this with "No edits are required."
- If you need more space, delete some of the instruction lines above and/or make this textbox taller as needed.
- Start documenting edits here...
- Paragraph 2, Line 1: Add "ing" to "play" as in "playing."
- Paragraph 3, Line 1" Add Coach Izzo's first name as in replace "Coach Izzo" by "Coach Tom Izzo."
- Paragraph 4, Line 5: Delete the extra "it" as in replace "it it" by it"
- Paragraph 7, Line 1: Replace "Apple" with "Microsoft" as in "Microsoft Windows Tablet PC" since the tablet is made by Microsoft, not Apple.
- Team Members, Third Team Member: The hometown is in lower case. Capitalize "West Lafayette."
- Project Sponsors, Third Sponsor: Coach Izzo's last name is misspelled. Delete two z's as in replace "Izzzzo" with "Izzo."

Michigan State University
Team Members

Wayne Dyksen
North Haledon, New Jersey

Wayne Dyksen
Grand Rapids, Michigan

Wayne Dyksen
wWest lLafayette, Indiana

Wayne Dyksen
East Lansing, Michigan

Team Michigan State University
Project Sponsors

Richard Bader
East Lansing, Michigan

Jim Boylen
East Lansing, Michigan

Tom Izzzzo
East Lansing, Michigan

Mark Montgomery
East Lansing, Michigan

Dwayne Stephens
East Lansing, Michigan

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Design Day Booklet

Inserting a Red Oval Into Word

- Go to Insert > Shapes > Basic Shapes and select the Oval, which is to the right of the text box.

- Draw an oval anywhere over your project description text.

- Select the oval.

- Go to Shape Format > Shape Fill and select No Fill.

- Go to Shape Format > Shape Outline and select red, which is the second box from the right under Standard Colors.

- Go to Shape Format > Shape Outline > Weight and select 2 ¼ Pt.

- Resize and position the oval as needed.

- For more ovals, simply copy-and-paste the original oval, and resize and position it as needed.

Design Day Booklet

- Email Dr. D.

- Every Team, Even If 0 Errors Found

- Subject: Team [team-name]: Design Day Booklet Project Page

- Body:

  Dr. D.,

  Team [team-name] has carefully reviewed our Design Day project page.

  We found exactly [number-of-errors] errors.

  We certify that we have found and edited all of the errors if any.

  If any other errors are found, we understand that we will lose 0.2 points MAPP points for each such error.

  Sincerely,

  Team [team-name]

- By Midnight, Friday, October 11.