

MICHIGAN STATE

U N I V E R S I T Y

04/17:
What's ahead?

The Capstone Experience

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Spring 2025



*From Students...
...to Professionals*

Capstone Week 15

- Design Day
 - Project Video
 - What's ahead?



Design Day Overview

- Engineering Building
- Friday, April 25, 7:00 a.m. – 2:30 p.m.
- Exhibits of Design Projects
 - From Entire College of Engineering
 - Open to the Public
 - Visitors Include
 - Faculty
 - Family and Friends
 - Corporate Sponsors
 - ~~Middle and High School Students~~
- Dress is Business



Design Day Activities

- Design Day Setup, Thursday April 24
 - 3rd Floor Engineering Building
 - 12:00 p.m. – 2:00 p.m.
- Design Day, Friday April 25
 - 07:00 a.m. Setup
 - 08:00 a.m. Team Exhibits
 - 12:01 p.m. Tear Down and Lunch
 - 01:15 p.m. Awards Ceremony



Team Exhibit

- Table
- iMac(s)
 - For Software
 - For Project Video
- Other Device(s)
 - MacBook Pro
 - Tablets
 - Phones
- Poster
 - DD Booklet Page
 - Provided by Dr. D.



Design Day Setup

- When: Thursday, Noon
- Where: Capstone Labs
- Who
 - Entire Team Expected
 - Must Have Enough
 - Hands to Move Things Safely
 - Expertise to Fix Technical Issues
- What
 - Setup
 - Find team table.
 - Setup easel and poster.
 - Get electrical power.
 - ❖ Use mega IPF extension cord or wall outlet.
 - ❖ Get extension cord if needed.
 - ❖ Get power strip if needed.
 - Setup and test iMac(s).
 - Test all devices.
 - Test all network connections, wired and wireless.
 - Test software demonstrations.
 - After Setup Complete
 - Leave
 - ❖ Easel and Poster
 - ❖ Extension Cords and Power Strips (But Hide)
 - Return equipment to capstone labs and lockup iMac(s).
- Why: To Be Prepared



Design Day Awards

- Awards
 - Auto-Owners Exposition Award
 - MSU Federal Credit Union Praxis Award
 - TechSmith Screencast Award
 - Amazon Sigma Award
- Conferred By
 - Panel of Judges
 - See <http://www.capstone.cse.msu.edu/design-day/awards/#panel-of-judges>
- Based On
 - Project Plan
 - Project Video
 - Design Day



Design Day Awards Ceremony

- Anthony 1281, 1:15-2:15 p.m.
Simulcast in Anthony 1279
- Dress is business.
- Stay Until End
- Arrive Very Early
 - Tell Family Members
 - Grab Subway and Eat in Anthony



Visiting Other Project Exhibits

- Safe Between Before 9:30 a.m.
- Judges' visits will start around 9:30 a.m.
- Never leave exhibit completely unattended.
- Always be able to contact team members.



Capstone Week 15

- ✓ Design Day
- Project Video
- What's ahead?



Project Video Overview

- Similar to Design Day Booklet Project Page
- Tells Project Story
 - Your Project Sponsor / Client
 - The “Problem”
 - Your “Solution”
 - Use Case(s)
 - ❖ Two Or Three
 - ❖ How will your sponsor use your software?
 - ❖ Marshall Plan: What, So What, No What
 - Avoid “Boring” Stuff
 - ❖ Account Creation
 - ❖ Login Screen
 - ❖ “Boring” Administration Details
 - ❖ Every Last Feature and Option
 - ❖ Zzz...
 - Technical Details ←**Don’t forget. Like Design Day Booklet**
 - Acknowledgements
- ~8 Minutes in Length
 - Little wiggle room on time
- Professional
- Lots of Work

10% of Team Grade



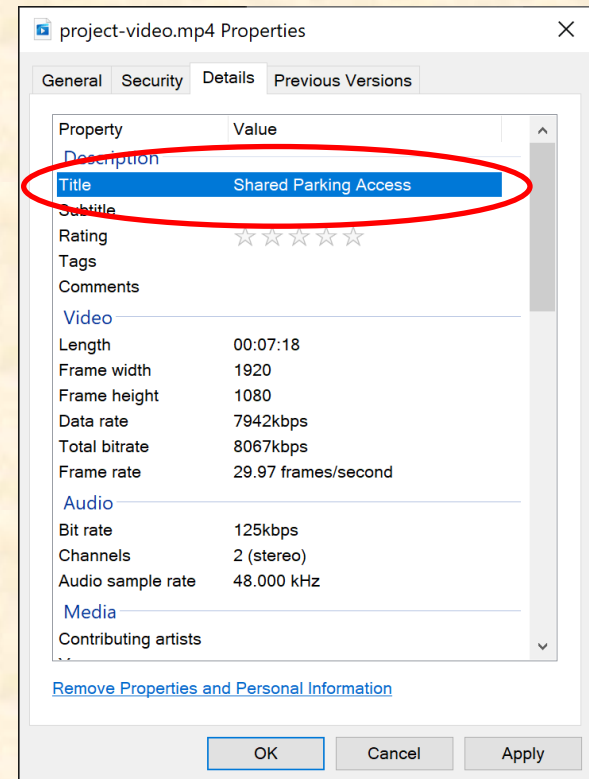
Project Video Hints

- Voiceover
 - Written Script
 - Not Ad Lib
 - Do not keep saying “I’m going to go ahead and...”
- Reading App Text
 - Often a Problem
 - Use Very High Resolution and Pan/Zoom Feature of Camtasia
 - Test In Advance In Room Setting
- Audio
 - Ensure Voiceover is Louder than Background Music
 - Do NOT test wearing headphones.
- Rendering
 - Try Samples
 - In Advance
 - Takes a Long Time
 - Do NOT Press Render Button One Hour Before Due
- Due
 - By Midnight, Sunday, April 20 ← **Nota Bene**
 - Uploaded to Microsoft Teams General Channel File Space



Project Video Title Meta Data

- Use Windows 11.
- Right-click on filename.
- Select properties.
- Click on details tab.
- Enter official project title in Title textbox.
- If you don't set it, Dr. D. will set it for you...at a cost.



Capstone Week 15

- ✓ Design Day
- ✓ Project Video
- What's ahead?



What's ahead?

[1 of 3]

• Upcoming Meetings

- ~~W10 10/31: Tu Design Day and the Project Videos~~
- ~~W10 03/20: Th Dr. Micah Lissy, MSU~~
- ~~W11 03/25: Tu Ethics and Professionalism~~
- ~~W11 03/27: Th Conner Bean, Stripe~~
- ~~W12 04/01: Tu Rick Grubb, RPM~~
- ~~W12 04/03: Th Beta Presentations~~
- ~~W13 04/08: Tu Beta Presentations~~
- ~~W13 04/10: Th Beta Presentations~~
- ~~W14 04/15: Tu Resume Writing and Interviewing~~
- ~~W14 04/16: Th Project Video Status **Slide Decks Due**~~
- W14 04/17: Th Team Project Video Status Reports



What's ahead?

[2 of 3]

- Upcoming Meetings

- W15 04/20: Su Project Videos Due ← **3 Days**
- W15 04/22: Tu Project Videos
- W15 04/23: We Team Evaluation Forms **Due @ 6:00 p.m.**
- W15 04/23: We All Deliverables
- W15 04/24: Th Design Day Setup ← **Noon**
- W15 04/24: Th Project Videos
- W15 04/25: Fr Design Day
- W15 05/01: Th Design Day Wrap Up (5:45 p.m. – 7:45 p.m.)



What's ahead?

[3 of 3]

- MAPP Points Reminder ← **Nota Bene**
 - Last Week of Meetings
 - Tuesday **-5.0**
 - Thursday **-5.0**
 - Design Day
 - Timeliness / Dress / Participation **-0.5 to -5.0**
 - Very Late or Skip **-5.0** and **-Team Contribution Points**
 - Capstone Wrap Up During Exam Week **-5.0**
- Was Covered
 - January 16 (Day 2)
 - Multiple Times Since January 16

