

ECE 18-649

Final Project Report

Starting Point

Group #

Member Name 1

Member Name 2

Member Name 3

Member Name 4

Overview

- Format
- Grading criteria
- Content
 - Project statistics
 - Complete design of one control object
 - Lessons learned
 - Open issues
 - Predictions
 - Suggestions

Important Updates!

Read all these slides! But be sure to note:

- Longer period of time
- Q&A at end this time
- Stricter enforcement of font sizes
 - Especially on diagrams
- Different assignments of control objects
- Tell us about the coolest thing you did

Format

- Stay on time!
 - **Whole presentation: 18-22 minutes**
 - **You will be cut off at 22 minutes**
 - Each group member: **at least 4 minutes**
 - This does not include Q&A time
- Cover all of the content!
 - Title slide w/ group # & member names
 - Outline slide
 - Content slides (10-15 total)
 - Project statistics
 - Designated concentration area
 - What's the most cool thing you did?
 - Lessons learned
 - Slide template is flexible, but must be legible; **use slide #s**
 - Don't bring printed handouts to class

Grading Criteria (25pts)

(15pts) GROUP PERFORMANCE

(5pts) Quality of the technical content

- Does the work meet the technical objectives?

(5pts) Materials

- Are the slides well prepared?
Are the fonts readable, including pictures?
Does every slide have a slide number?
Does every arc have a human-understandable label?

(5pts) Time budgeting

- Was time budgeted effectively given the time limit?
- Were all team members given a reasonable amount of time to speak?

(10pts) INDIVIDUAL PERFORMANCE

(5pts) Presentation

- Loud enough to be heard? eye contact? familiarity w/ material?

(5pts) Questions

- Ability to answer at least one question from instructors or audience?
(includes relation of material presented to material covered in course)

Project Statistics

- Both current & mid-term – give a comparison
- Number of scenarios/sequence diagrams
 - Number of sequence diagram arcs
- Number of lines of requirements
- Number of Statecharts
 - Total number of states
 - Total number of arcs
- Number of lines of non-comment code
- Number of test files written
- Number of revisions (change log entries)
 - **Not** change control check-outs!
- Number of defects found; number fixed

Design of One Control Object

- DoorControl, DriveControl, or Dispatcher
 - DoorControl – Groups: 2, 7, 8
 - DriveControl – Groups: 1, 4, 9, 10
 - Dispatcher – Groups: 6, 3, 5

- Walk-through complete design
 - Scenarios
 - Sequence diagrams
 - Requirements
 - Statecharts (include transition conditions!)
 - Code
 - Testing
 - Example of how you checked a high level requirements 7

What's The Coolest Thing You Did?

- Tell us the coolest thing about your project
 - Could be a design technique
 - Could be dispatcher behavior
 - Could be your plans for fault tolerance
 - But, don't need to cover fault tolerance in this presentation – just through project 11
 - Whatever is cool

Lessons Learned

- Problems that you have already solved
 - How they came up
 - What did you do to solve them
 - (Focus on time since mid-term presentation)

- Which strategies (team, technical, etc.) have worked well, and which have not?

- What advice would you give teams for next year?

Common Presentation Errors #1

- Bullet items more than one line long

- Fonts smaller than 16 point
 - Diagrams with fonts too small to read
 - This font is pretty tiny and should only be used for details (16 pt)
 - This font is too small and shouldn't be used (14 pt)
 - Powerpoint auto-shrinks things, so be careful!

- Poor personal presence
 - Wearing outdoor coats, hats, torn clothing
 - Chewing gum
 - Talking to front row instead of back row

Common Presentation Errors #2

- Poor time management
 - Each team member must speak for 4+ minutes
 - We'll give you 5 & 2 minute warnings for talk
- Illegible Statecharts & Sequence Diagrams
 - Almost always, this means putting transition conditions under diagram, not in diagram
 - You may need to re-draw arc labels on SDs

Schedule

- Fri. 10-Apr-09
 - Ask any questions about presentations in TA meetings

- Mon. 13-Apr-09 by 11:59 PM
 - Submit draft presentations **via e-mail**
 - We will e-mail comments in response
 - We strongly recommend you see a TA in office hours for feedback
 - No TA meeting that week due to Carnival

- Sun 19-Apr-09 by **7:00 PM**
 - Submission deadline for final powerpoint **via e-mail**
 - Make sure you receive an acknowledgement by 8 PM!
 - No changes after that permitted unless required by staff (e.g., "make fonts on slide 7 bigger") but, points deducted if we must do that
 - Note: significant late penalty for this deadline (don't be late!)

- See course web page for time slots
 - Final presentations scheduled in different order than mid-semester presentations