

Coding MoonLander

CS 165 – Object Oriented Software Development

Macbeth – Lesson 6.3

Agenda

- Opening Prayer
- Music Friday
- Q&A
 - X Windows Environment & OpenGL
- Airline Example
- Coding MoonLander
- Looking Forward

Music Friday

Hark, All Ye Nations!

Hark, all ye nations!
Hear heavens voice
Thru ev'ry land that all may rejoice!
Angels of glory shout the refrain:
Truth is restored again!

Oh, how glorious from the throne above
Shines the gospel light of truth and love!
Bright as the sun, this heavenly ray
Lights ev'ry land today.

D&C 128:19

Now, what do we hear in the gospel
which we have received? A voice of
gladness!

X Windows Environment & Open GL

Airline Example

- The Airline example demonstrates:
 - Default Constructors
 - Non-Default Constructors
 - Accessors (get's)
 - Mutators (set's)
 - Validation within Mutators
 - Using get functions to get data from other objects
- You can use this code as an example for future projects in CS165.
- Changes to make:
 - If reward miles $\geq 100,000$ then they have gold status which should be displayed
 - Trip cost is reduced by 10% if they have gold status. Add 12% for taxes and fees.
 - When defining a passenger, need to specify initial miles
 - Trip should have a function to apply the miles

MoonLander Project

- Step 1: Start your project by creating stub functions based on your design document
- Step 2: Run your project and see what happens
- Step 3: Start implementing functions one at a time according your design document.
- Step 4: Run your project again and see if you implemented the function correctly.

- Repeat Steps 3 and 4 until done.

Looking Forward

- Monday
 - Moonlander Milestone
 - Last chance to turn in Checkpoints 6A and 6B (document via I-Learn or hardcopy in class)
 - Last chance to complete Team Project Quiz