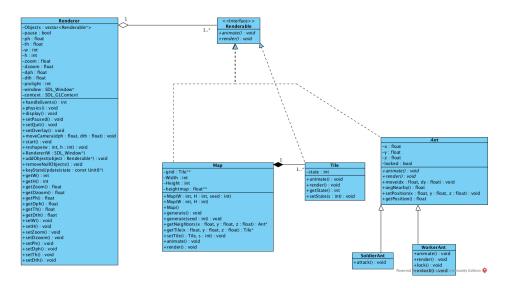
- 1. (a) Team Name: Terrarium
 - (b) Members: Jordan Dick, Nelson Mitchell
 - (c) Vision: A robust simulation of a broad range of biological-like multi-agent systems
 - (d) Project Description: Terrarium will be a fully animated functional 3D model of self-assembly in ant colonies, with hopes of one day being able to simulate other, more complicated behaviors.

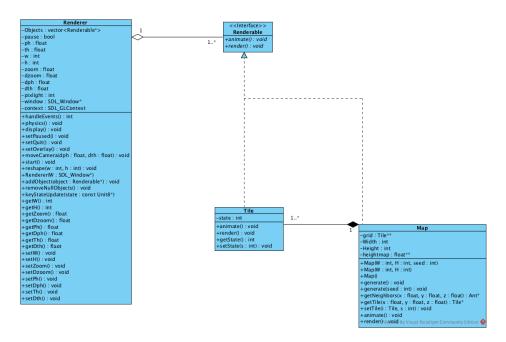
2. Updated Class Diagram:



With consideration of the following feedback:

- We noticed our project inadvertently implements the "Observer" software design pattern, with Renderer as the subject.
- "Fixed" attribute types, changed from C++'s type name descriptor to Java's name : type.
- Added operation return types and parameter types
- Added getters and setters where necessary, note that Ant.move() is a setter for Ant.x, Ant.y, and Ant.z. As is Renderer.moveCamera() for Renderer.ph and Renderer.th.
- Our project does not implement data storage in its current version.

3. Completed Class Diagram:



- 4. Summary: As of this progress report we have implemented the entire Map class except for the Ant-related methods, getTile(), setTile(), and getNeighbors(). To implement randomly generated maps, we've added a heightmap attribute that is set by the member function generate(), either given a specific seed or using CPU timestamps. We refactored Renderer, adding getters and setters for all the camera and window attributes, as well as added the necessary window attributes for SDL to run. Also, we added methods addObject() and removeNullObjects() to manage the vector of Renderable objects.
- 5. Breakdown of Work:
 - Nelson: UML updates, and this document
 - Jordan: Implemented Map and Renderer
- 6. Estimate of Remaining Effort:
 - Implement the entirety of Ant
 - Integrate getTile, setTile, getNeighbors in Map
 - Implement basic state variables like quit, overlay, etc.

7. Next Iteration: We'll have implemented working Ants, as well as dynamic lighting/shading!