AstroExplorer

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Game Demo

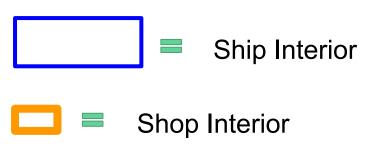
Use Cases:

UC-01 Move with Jetpack

UC-03 Monitor Statistics

Flyweight Design Pattern

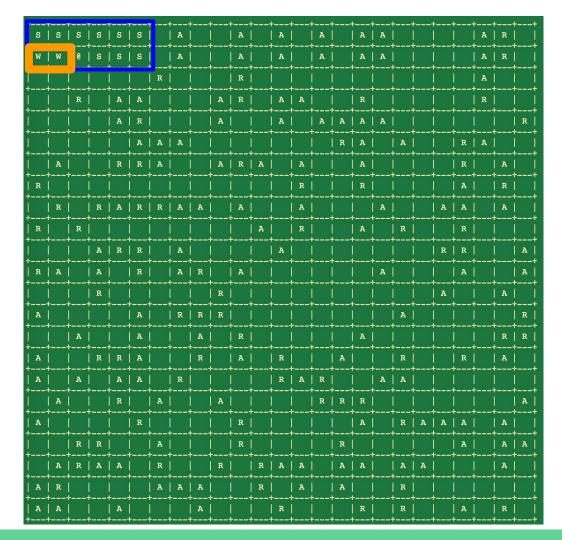
- We needed a world generation method.
- Definition: "Facilitates the reuse of many fine grained objects, making the utilization of large numbers of objects more efficient.."
- State-dependent (extrinsic) part
 - Class: Tile type
- State-independent (intrinsic) part
 - TileContext



R: Resource

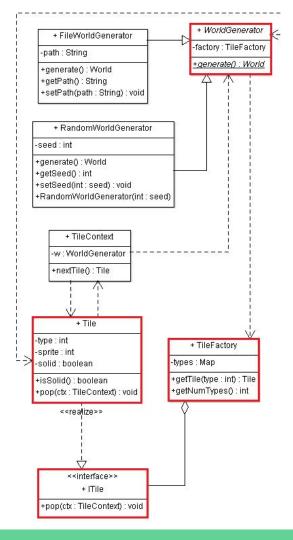
Iron, Copper, Gold

A: Asteroid



Flyweight on Class Diagram

- The outlined classes are the flyweight portion of the diagram.
 - TileFactory
 - ITile interface
 - o Tile
 - WorldGenerator
- Usages
 - RandomWorldGenerator
 - TileContext



Class Diagram

