

Team DSi  
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APCS pd1  
UML Diagram

| Solar System  |
|---|
| double gravity<br><hr/> boolean Gravity()<br>boolean Add()<br>boolean Add(Object) |

| Planet   | Asteroid  | Star   |
|--|---|--|
| double radius<br>double speed<br>double mass<br>double xcor<br>double ycor<br>double orbitRad<br><hr/> boolean Orbit()<br>boolean Crash()<br>double getSpeed()<br>double getMass()<br>double getXcor()<br>double getYCor()<br>double getOrbitRad() | double radius<br>double speed<br>double mass<br>int Angle<br>double xCor;<br>double yCor;<br>double orbitRad;<br>int focusOneX;<br>int focusOneY;<br>int focusTwoX;<br>int focusTwoY;<br><hr/> boolean Crash()<br>boolean BurnUp()<br>boolean<br>GravitationalPull()<br>double getSpeed()<br>double getMass()<br>double getXcor()<br>double getYCor()<br>int getFocusOneX()<br>int getFocusOneY()<br>int getFocusTwoX()<br>int getFocusTwoX() | double Radius<br>double Speed<br>double xCor;<br>double yCor;<br><hr/> boolean Move()<br>double getSpeed()<br>double getXcor()<br>double getYCor() |