**Story:** model (think solar system) with different planets moving in different orbits and some with rings or a moon rotating around them. In the background, we will have stars and maybe a couple little milky ways. **Objects being animated:** Planets, orbit lines, stars, rings **Length:** loop

The background with stars

This is our Scene Hierarchy:

**Class** **breakdown**:

* a class for the background with stars moving slowly around
* a class for the planets
  + subclass for rotation
  + subclass for orbits
* a class for the moon and rings
  + subclass for the rotations around the planets

**Transformations**:

* Rotations, scaling the planets, translation

**Progress**:

* We are still in the conceptual phase, no programming has started.

**Who is responsible for what:**

* Rebecca – The planet class
* Sophie – the moon and rings class
* Yazen – The background and orbits class
* The plan to integrate these is to put all the classes together a form all the layers of the animation. With each class running, the full animation will come together to look something like the drawing below:

Sub: Rings rotating around them

Main: Jupiter & Saturn on orbit

Main: Earth & Mars on orbits

Sub: The moon circling around Earth on its orbit

Sub: Mercury & Venus on orbits

Main: Fire coming off the sun, the sun rotating

Jupiter, Saturn

Earth, moon, Mars

Sun, mercury, Venus

A picture containing outdoor object, web

Description automatically generated