Waterfall – Antikythera

1. *Requirement definition*: (Total Estimated time of completion – 14 weeks)
   1. Calculate the positioning of stars/planets/etc. (main program with calculation methods)
      1. Find formulas from Antikythera research
   2. Database with the different celestial bodies and their related info
      1. Comets/meteor showers, planets, stars, misc.
   3. User will interact with program in some way to calculate positioning/date/etc. of a desired celestial body
      1. GUI will have some way of giving options for the user to choose what they want to see about a certain celestial body
2. *System and software design*:
   1. User Interface
      1. GUI (Visual studio)
   2. Database (estimated time of completion – 3-4 weeks)
      1. Each relation will have different attributes
         1. Multiple tables for the different celestial bodies (listed attributes)
            1. Stars
            2. Planets
            3. Comets/meteor showers
            4. Misc.
   3. Main code (methods/variables/etc.)
3. *Implementation and unit testing*:
4. *Integration and system testing*:
5. *Operation and maintenance*: