Design for CT

1. Read 1 token – (numbers of minutes)
2. Read 1 token – (days)
3. Skip “/”
4. While (!EOL)
   1. Read 1 token – times

Design for AR

1. Read 1 token – (Type)
2. Read 1 token – (size)
3. Read 1 token – (Room Name)
4. Read 1 token – (Room Size)

Design for CL

1. Read characters (loop up to 3 chars or space or integer)
   1. This is the course name
2. Read characters (loop up to 4 chars or space)
   1. This is the course number may along with the type W, L, H
3. Loop 4 times
   1. To get integers of added CLASS HOURS, DAY, NIGHT, INTERNET sections and CLASS SIZE.
4. Read room Type
5. Read added CLASS HOUR

Design for CF

1. Read characters (loop up to 3 chars or space or integer)
   1. This is the course name
2. Read characters (loop up to 4 chars or space)
   1. This is the course number may along with the type W, L, H
3. Loop till the end of file
   1. Read 1 token till “/” -- (Days)
   2. Skip “/”
   3. Read 1 token – (Time)

Design for PR

1. Read one course

* Read characters (loop up to 3 chars or space or integer)
  1. This is the course name
* Read characters (loop up to 4 chars or space)
  1. This is the course number may along with the type W, L, H

1. Read one course

* Read characters (loop up to 3 chars or space or integer)
  1. This is the course name
* Read characters (loop up to 4 chars or space)
  1. This is the course number may along with the type W, L, H

Design for FM

1. Read a token till comma “,” – (last name with comma)
2. Read a token – (First name)
3. Read a token – year of service
4. Read a token – email
5. Read a token -- hours

Data Structures

1. Days
   1. String
   2. Interger Is\_Valid()
2. Time
   1. String hours
   2. String minuets
   3. Interger Is\_Valid()
3. Room
   1. String Building\_Name
   2. Integer Room\_Number
   3. Integer Is\_Valid()
4. Course
   1. String Course\_Name
   2. String Course\_Number
   3. Char Course\_Type //if a type does not exist, we can set this to null
   4. Interger Is\_Valid()