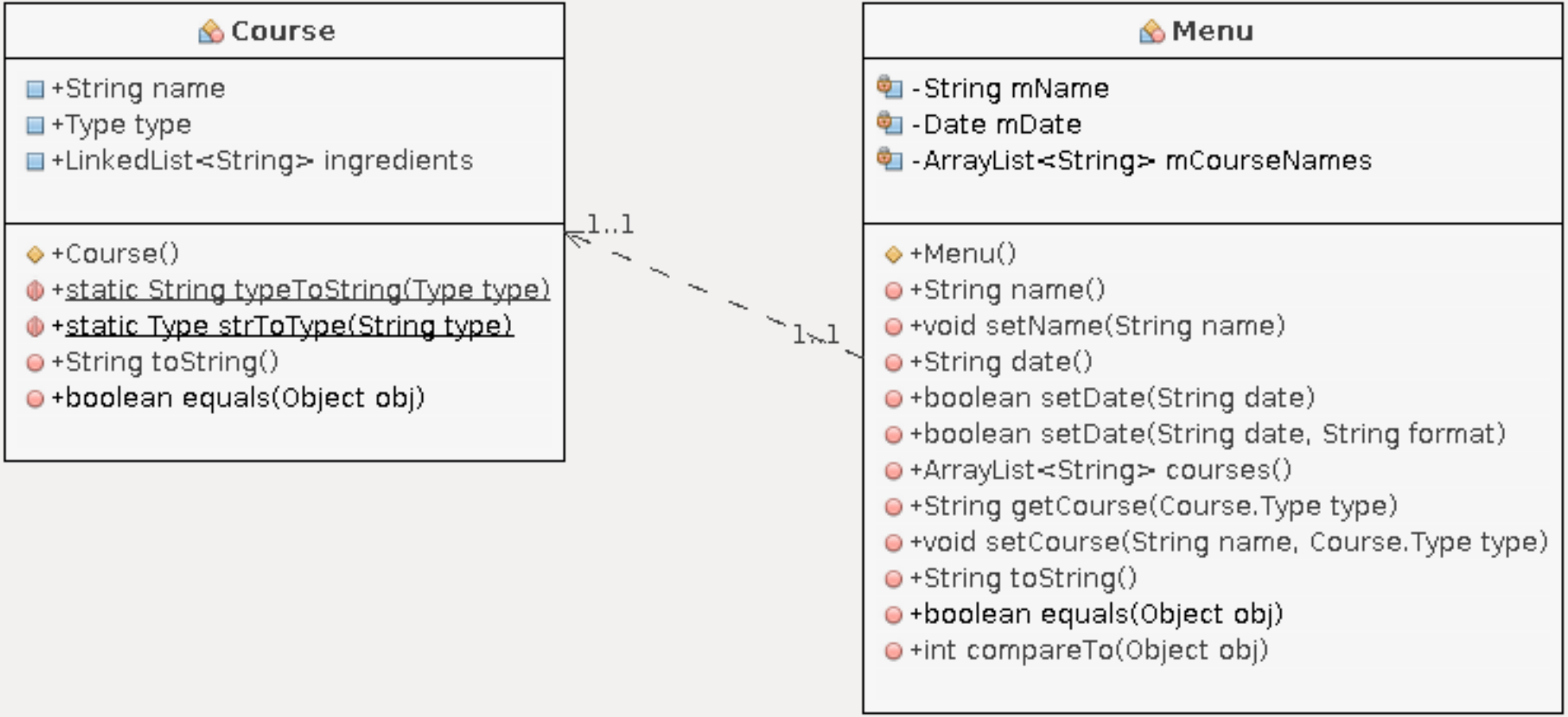
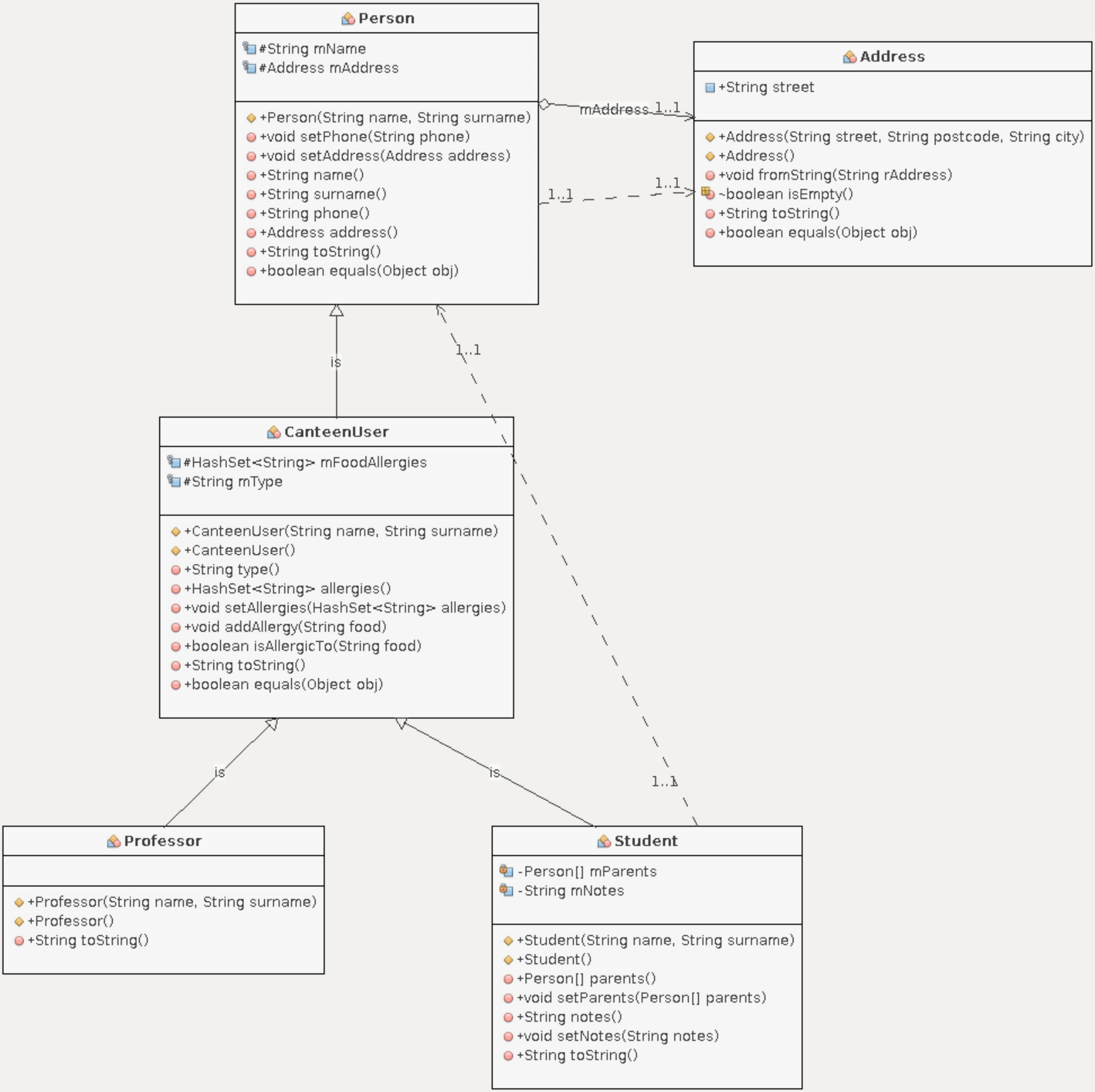
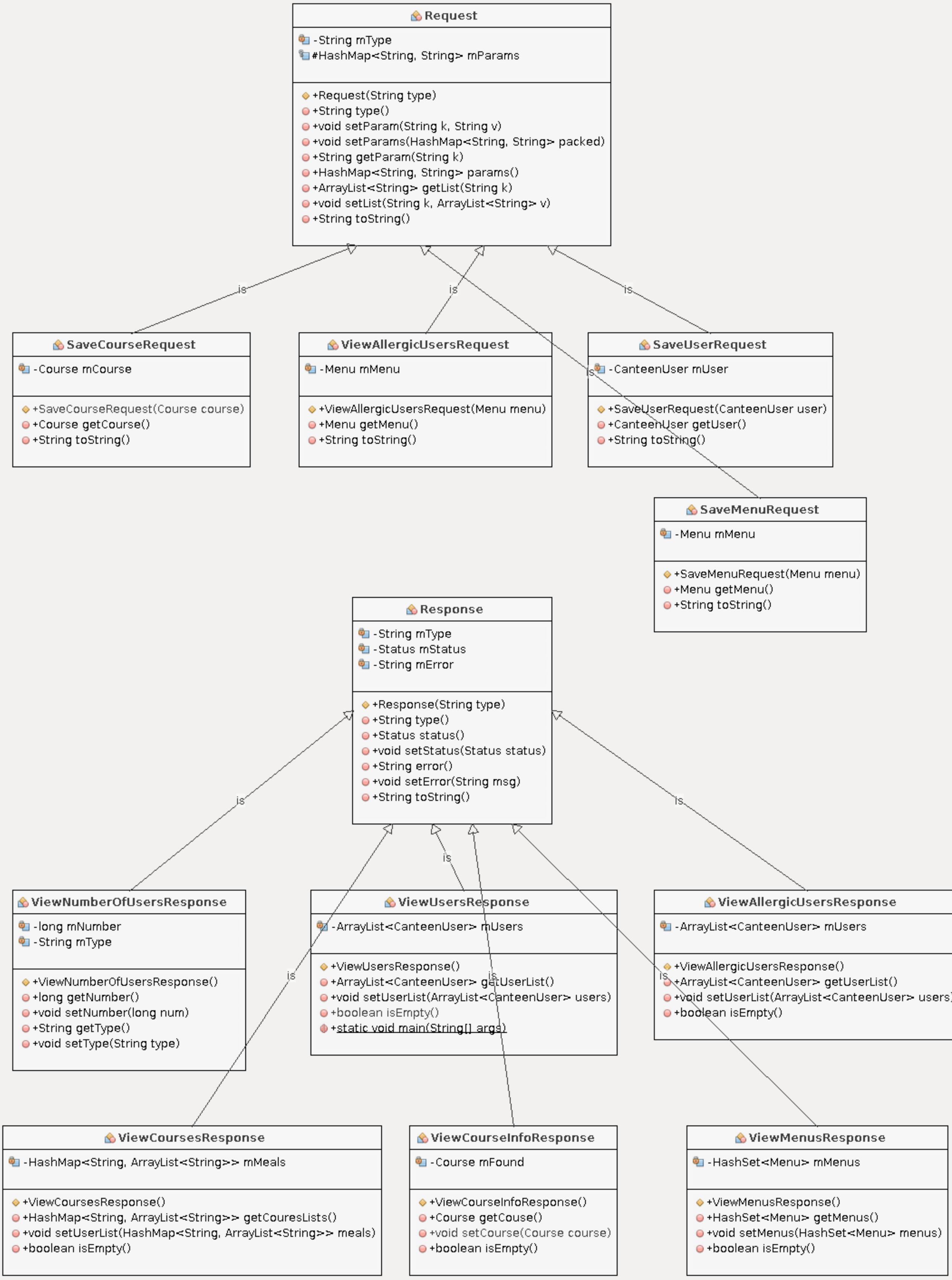
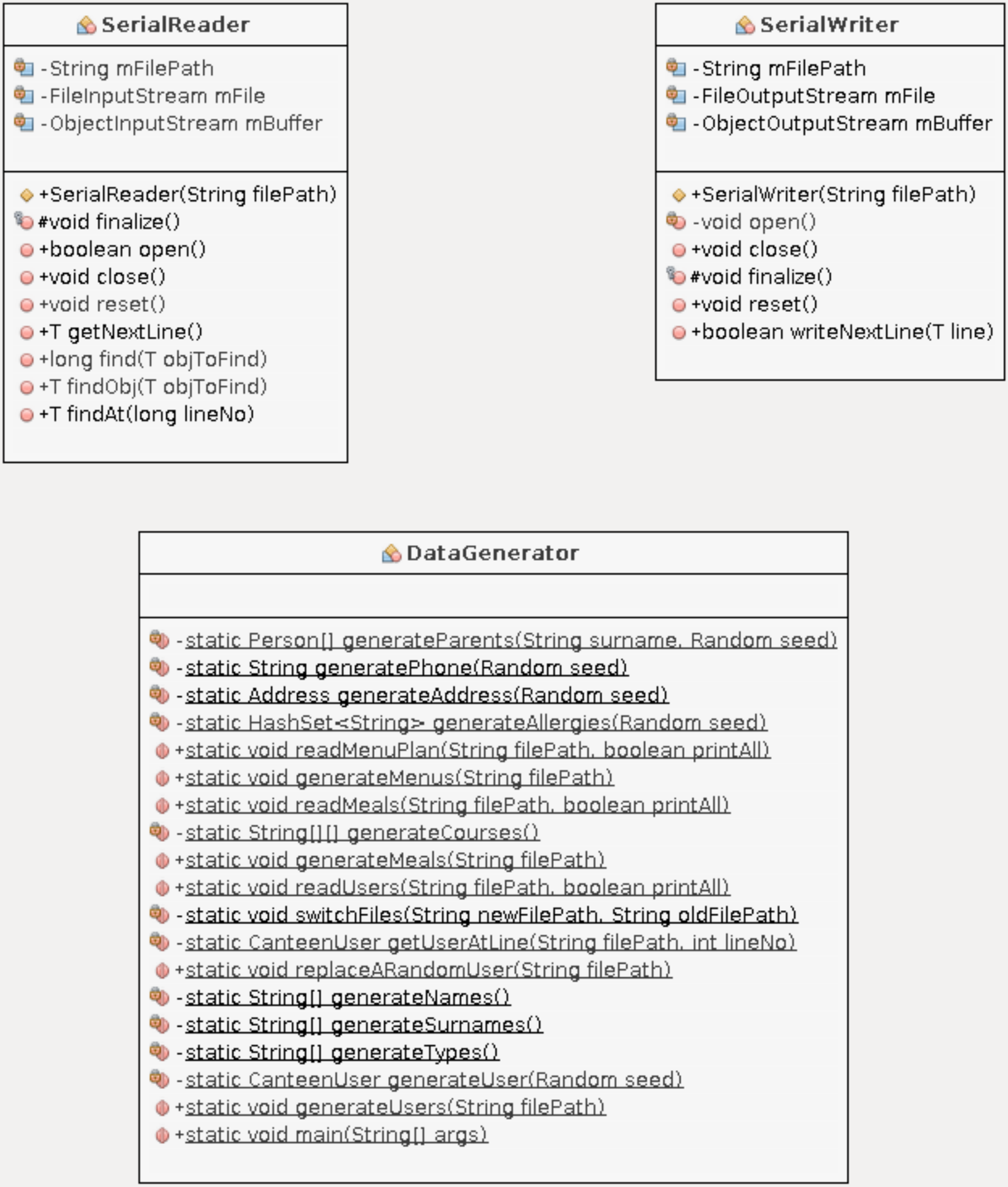

Course
+String name
+Type type
+LinkedList<String> ingredients
+Course()
+static String typeToString(Type type)
+static Type strToType(String type)
+String toString()
+boolean equals(Object obj)
1..1
1..1
Menu
-String mName
-Date mDate
-ArrayList<String> mCourseNames
+Menu()
+String name()
+void setName(String name)
+String date()
+boolean setDate(String date)
+boolean setDate(String date, String format)
+ArrayList<String> courses()
+String getCourse(Course.Type type)
+void setCourse(String name, Course.Type type)
+String toString()
+boolean equals(Object obj)
+int compareTo(Object obj)


Person
#String mName
#Address mAddress
+Person(String name, String surname)
+void setPhone(String phone)
+void setAddress(Address address)
+String name()
+String surname()
+String phone()
+Address address()
+String toString()
+boolean equals(Object obj)
mAddress 1..1
1..1
1..1
Address
+String street
+Address(String street, String postcode, String city)
+Address()
+void fromString(String rAddress)
~boolean isEmpty()
+String toString()
+boolean equals(Object obj)
is
1..1
CanteenUser
#HashSet<String> mFoodAllergies
#String mType
+CanteenUser(String name, String surname)
+CanteenUser()
+String type()
+HashSet<String> allergies()
+void setAllergies(HashSet<String> allergies)
+void addAllergy(String food)
+boolean isAllergicTo(String food)
+String toString()
+boolean equals(Object obj)
1..1
is
is
Professor
+Professor(String name, String surname)
+Professor()
+String toString()
Student
-Person[] mParents
-String mNotes
+Student(String name, String surname)
+Student()
+Person[] parents()
+void setParents(Person[] parents)
+String notes()
+void setNotes(String notes)
+String toString()


Request
-String mType
#HashMap<String, String> mParams
+Request(String type)
+String type()
+void setParam(String k, String v)
+void setParams(HashMap<String, String> packed)
+String getParam(String k)
+HashMap<String, String> params()
+ArrayList<String> getList(String k)
+void setList(String k, ArrayList<String> v)
+String toString()
is
SaveCourseRequest
-Course mCourse
+SaveCourseRequest(Course course)
+Course getCourse()
+String toString()
ViewAllergicUsersRequest
-Menu mMenu
+ViewAllergicUsersRequest(Menu menu)
+Menu getMenu()
+String toString()
SaveUserRequest
-CanteenUser mUser
+SaveUserRequest(CanteenUser user)
+CanteenUser getUser()
+String toString()
SaveMenuRequest
-Menu mMenu
+SaveMenuRequest(Menu menu)
+Menu getMenu()
+String toString()
Response
-String mType
-Status mStatus
-String mError
+Response(String type)
+String type()
+Status status()
+void setStatus(Status status)
+String error()
+void setError(String msg)
+String toString()
ViewNumberOfUsersResponse
-long mNumber
-String mType
+ViewNumberOfUsersResponse()
+long getNumber()
+void setNumber(long num)
+String getType()
+void setType(String type)
ViewUsersResponse
-ArrayList<CanteenUser> mUsers
+ViewUsersResponse()
+ArrayList<CanteenUser> getUserList()
+void setUserList(ArrayList<CanteenUser> users)
+boolean isEmpty()
+static void main(String[] args)
ViewAllergicUsersResponse
-ArrayList<CanteenUser> mUsers
+ViewAllergicUsersResponse()
+ArrayList<CanteenUser> getUserList()
+void setUserList(ArrayList<CanteenUser> users)
+boolean isEmpty()
ViewCoursesResponse
-HashMap<String, ArrayList<String>> mMeals
+ViewCoursesResponse()
+HashMap<String, ArrayList<String>> getCouresLists()
+void setUserList(HashMap<String, ArrayList<String>> meals)
+boolean isEmpty()
ViewCourseInfoResponse
-Course mFound
+ViewCourseInfoResponse()
+Course getCouse()
+void setCourse(Course course)
+boolean isEmpty()
ViewMenusResponse
-HashSet<Menu> mMenus
+ViewMenusResponse()
+HashSet<Menu> getMenus()
+void setMenus(HashSet<Menu> menus)
+boolean isEmpty()


SerialReader
-String mFilePath
-FileInputStream mFile
-ObjectInputStream mBuffer
+SerialReader(String filePath)
#void finalize()
+boolean open()
+void close()
+void reset()
+T getNextLine()
+long find(T objToFind)
+T findObj(T objToFind)
+T findAt(long lineNo)
SerialWriter
-String mFilePath
-FileOutputStream mFile
-ObjectOutputStream mBuffer
+SerialWriter(String filePath)
-void open()
+void close()
#void finalize()
+void reset()
+boolean writeNextLine(T line)
DataGenerator
-static Person[] generateParents(String surname, Random seed)
-static String generatePhone(Random seed)
-static Address generateAddress(Random seed)
-static HashSet<String> generateAllergies(Random seed)
+static void readMenuPlan(String filePath, boolean printAll)
+static void generateMenus(String filePath)
+static void readMeals(String filePath, boolean printAll)
-static String[][] generateCourses()
+static void generateMeals(String filePath)
+static void readUsers(String filePath, boolean printAll)
-static void switchFiles(String newFilePath, String oldFilePath)
-static CanteenUser getUserAtLine(String filePath, int lineNo)
+static void replaceARandomUser(String filePath)
-static String[] generateNames()
-static String[] generateSurnames()
-static String[] generateTypes()
-static CanteenUser generateUser(Random seed)
+static void generateUsers(String filePath)
+static void main(String[] args)