## **Archive** static Map<Integer, Student> students static Map<Integer, SpellBook> spellbooks static int nextStudentId static boolean printedAnyBlock static void outBlock(String s) + static void main(String[] args) static void printHelp() static void doAddStudent(String name) static void doAddSpellbook(String filename, int serial) static void doAddCollection(String filename) static void doSaveCollection(String filename) static void doListAll(boolean longForm) static void doListAvailable(boolean longForm) static void doListTypes() static void doListInventors() static void doNumberCopies() static void doTypeQuery(String type) static void doInventorQuery(String inventorSubstr) - static void doSpellbook(int serial, boolean longForm) static void doSpellbookHistory(int serial) static void doStudent(int id) static void doStudentSpellbooks(int id) static void doStudentHistory(int id) static void doRent(int studentId, int serial) static void doRelinquish(int studentId, int serial) static void doRelinquishAll(int studentId) static void doCommon(List<Integer> ids) manages Student - int id - String name Set<Integer> currentBooks List<Integer> history manages + int getId() + String getName() + void rentBook(int serial) + void returnBook(int serial) + Set<Integer> getCurrentBooks() + List<Integer> getHistory() rents (by serial) rentedBy (studentId) SpellBook - int serialNumber String title - String inventor String type Integer rentedBy List<Integer> history + int getSerialNumber() + String getTitle() + String getInventor() + String getType() + Integer getRentedBy()

+ void setRentedBy(Integer studentId)

+ void addHistory(int studentId)

+ List<Integer> getHistory()

+ String shortFormat()

+ String longFormat()

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