

Hình 1 Lưu đồ thuật toán cho phương thức phức tạp

* **Javadoc**

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| **package** User.boundary;  /\*\*  \* **@author** Cai Việt Hoàng  \* This class show code about Screen of register to borrow book  \*/  **public** **class** registerborrowScreen  {  /\*\*  \* This funtion make user choose that want to borrow book  \* **@param** userSelect is boolean  \* **@return** true if user choose "yes" or false if user choose "no"  \*/  **public** **boolean** confirmBorrow(**boolean** userSelect)  {  **return** userSelect;  }  /\*\*  \* This funtion show the information about borrow book  \*  \* **@throws** timeout if connect to database is currupt  \*/  **public** **void** displayborrowInfo()  {    }  } |
| **package** User.boundary;  /\*\*  \* **@author** Cai Việt Hoàng  \* This class show code about Screen of register to borrow book  \*/  **public** **class** viewborrowScreen  {  /\*\*  \* This funtion show the list of the book  \*/  **public** **void** showbookList()  {    }  } |
| **package** User.boundary;  /\*\*  \* **@author** Cai Việt Hoàng  \* This class show code about Screen of register to borrow book  \*/  **public** **class** cancelborrowScreen  {    } |
| **package** entity;  /\*\*  \* This class show some information about book in database  \* **@author** Cai Việt Hoàng  \*/  **public** **class** Book  {  /\*\*  \* This class check book avaiable  \* **@param** bookAvai is boolean process checking  \* **@return** bookCount  \*/  **public** **boolean** checkbookAvaiable(**boolean** bookAvai)  {  **return** bookAvai;  }    /\*\*  \* This funtion  \* **@param** bookName is String show the full book name  \* **@param** bookID is int show the identify of this book  \* **@param** copyID is int show the identify of this copy book  \* **@param** author is String show the author's book  \* **@throws** timeout if connect to database is currupt  \* **@return** 0  \*/  **public** **void** getbookInfo(String bookName, **int** bookID, **int** copyID, String author)  {    }  } |
| **package** entity;  **public** **class** borrowingInfo  {  /\*\*  \* This funtion get borrowing information  \* **@param** username is String show full username  \* **@param** bookCount is int that show an amount of borrowing books  \* **@param** bookPay is double that show an amount of money who user borrowing book  \*/  **public** **void** getborrowingInfo(String username, **int** bookCount, **double** bookPay)  {    }  /\*\*  \* This funtion help program update book slot when user register to borrow or cancel borrow book  \* **@param** bookSlot is int that an amount of book left in stock  \*/  **public** **int** updatebookSlot(**int** bookSlot)  {  **return** bookSlot;  }  /\*\*  \* This funtion check overdue book  \* **@param** overdueBook is boolean that display "yes" or "no" overdue  \* **@return** true if overdue or false if not overdue  \*/  **public** **boolean** checkoverdueBook(**boolean** overdueBook)  {  **return** overdueBook;  }  } |
| **package** entity;  /\*\*  \* This class include information about borrowing card in database  \* **@author** Cai Việt Hoàng  \*  \*/  **public** **class** cardInfo  {  /\*\*  \* This funtion is many information about card  \* **@param** cardName is String that display username  \* **@param** cardID is int that display card identify  \* **@param** cardExpired is int that display card expired date  \*/  **public** **void** getcardInfo(String cardName, **int** cardID, **int** cardExpired)  {    }  /\*\*  \* This funtion is many information about card  \* **@param** cardExpired is int that display card expired date  \* **@return** cardExpired  \*/  **public** **int** getexpiredDate(**int** cardExpired)  {  **return** cardExpired;  }  } |