Get startup system time ‘stt=nanoTime()’, set b= false, size=0, min=0, max=0

Make connection to database

Execute ‘ResultSet rs= executeQuery (select \* from **Book** order by book\_isbn)’

If rs.next()

no

yes

*size++*

*max=size*

If size!=0

L91a

Display message ‘there is no book in database’

L91

yes YES no

Put ResultSet cursor to first line of table *‘rs.beforeFirst()’*

L91

If min<=max

yes

no

mid=(min+max)/2

If mid=0

yes

mid=1

no

Jump to mid’th row of table ‘rs.absolute(mid)’

If isbn=rs.getLong (book\_isbn)

no

yes

Set b=true

L93

L92

L94

L95

L95a

L93

L94

L92

L95

If isbn< ’rs.getLong (book\_isbn)’

Set all tuple data from *ResultSet rs to UI*

no

Display total processing time ‘(edt-stt)/1000000’

Get current system time ‘edt=nanoTime()’

yes

min=mid+1

max=mid-1

If max=0

no

yes

If b=false

Exit from loop ‘break’

Get system current time ‘ttb=nanoTime()’

no yes

Display processing time ‘(ttb-stt)/1000000’

Display error message ‘Not\_found’

End E9