

User Guide:

Home Page: Snapshots

Functionality 1: Search by ISBN

Input: Any combination of input fields will yield the result on click of Submit button.

Library Management System

[Home](#)[Book Loans](#)[Borrower Management](#)[Fines](#)[Make Payment](#)

Advanced Search

Author:

ISBN:

Title:

Submit

Show 10 entries

Search:

ISBN	TITLE	FullName	Branch ID	Branch Name	Number of Copies
0002005018	Clara Callan: A Novel	Richard Bruce Wright	1	Oak Lawn	1
0002005018	Clara Callan: A Novel	Richard Bruce Wright	2	Lakewood	1
0002005018	Clara Callan: A Novel	Richard Bruce Wright	3	Grauwylar Park	0
0002005018	Clara Callan: A Novel	Richard Bruce Wright	4	Highland Hills	0
0002005018	Clara Callan: A Novel	Richard Bruce Wright	5	Audella Road	1

Showing 1 to 5 of 5 entries

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Functionality 1: Search by author

Home

Book Loans

Borrower Management

Fines

Make Payment

Advanced Search

Author:

John

ISBN:

Title:

Submit

Show 10 entries

Search:

ISBN	TITLE	FullName	Branch ID	Branch Name	Number of Copies
0821774352	His Eternal Kiss	H	1	Oak Lawn	1
0821774352	His Eternal Kiss	H	2	Lakewood	1
0821774352	His Eternal Kiss	H	3	Grauwylar Park	1
0821774352	His Eternal Kiss	H	4	Highland Hills	0
0821774352	His Eternal Kiss	H	5	Audelia Road	1
0934641641	How To Rock Climb! 2nd Edition	John	1	Oak Lawn	1
0934641641	How To Rock Climb! 2nd Edition	John	2	Lakewood	1
0934641641	How To Rock Climb! 2nd Edition	John	3	Grauwylar Park	1
0934641641	How To Rock Climb! 2nd Edition	John	4	Highland Hills	0
0934641641	How To Rock Climb! 2nd Edition	John	5	Audelia Road	1

Showing 1 to 10 of 15 entries

Previous

1


2

Next

Functionality 2: Check out when no of copies in branch is zero.

Input: Enter ISBN, Card Number and Branch Number

Output: In the home page, check whether there are books available in that branch. If not the result is shown as below

 There is no book available in this branch for check out!

Library Management System

[Home](#) [Book Loans ▾](#) [Borrower Management](#) [Fines](#) [Make Payment](#)

Check out

Branch Id:

ISBN:

Card No:

Functionality 2: Check out when no of loans for card number exceeds 3

You have reached maximum limit of book loans

Library Management System

[Home](#) [Book Loans](#) [Borrower Management](#) [Fines](#) [Make Payment](#)

Check out

Branch Id:

ISBN:

Card No:

Check out

Functionality 2: Check out successful when there are no constraints, look for output on home page where number of copies decreases.

check out successful

Library Management System

[Home](#) [Book Loans](#) [Borrower Management](#) [Fines](#) [Make Payment](#)

Check out

Branch Id:

ISBN:

Card No:

Check out

Functionality 2: Check in search success

Library Management System

✓ Search Success

✕

[Home](#) [Book Loans](#) [Borrower Management](#) [Fines](#) [Make Payment](#)

Check in

Book Id:

Card No:

Borrower Name:

Show entries

Search:

	ISBN	First Name	Last Name	Branch Id	Card Number	Number of Copies
<input checked="" type="checkbox"/>	9999364497	Donna	Franklin	1	ID000004	2

Showing 1 to 1 of 1 entries

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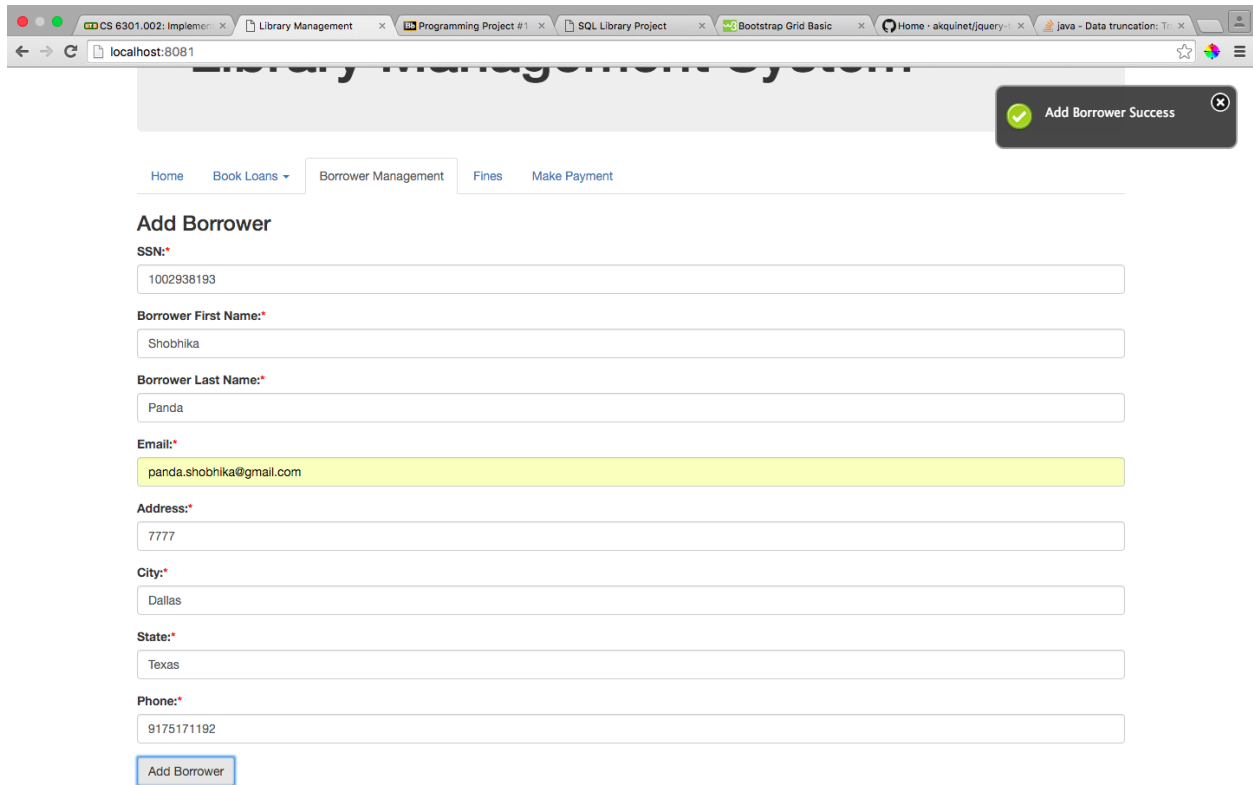
Functionality 2: Check in success, Look for output on home page. The number of copies increases on check in;

The screenshot shows the same Library Management System interface as above, but with the following changes:

- The **Check in Success** notification is now present.
- The **Card No.** field now contains **ID000005**.
- The **Number of Copies** for the selected book (ISBN 9999364497) has changed from 2 to 0.

	ISBN	First Name	Last Name	Branch Id	Card Number	Number of Copies
<input checked="" type="checkbox"/>	9999364497	Linda	King	2	ID000005	0

Functionality 3: Add Borrower Success

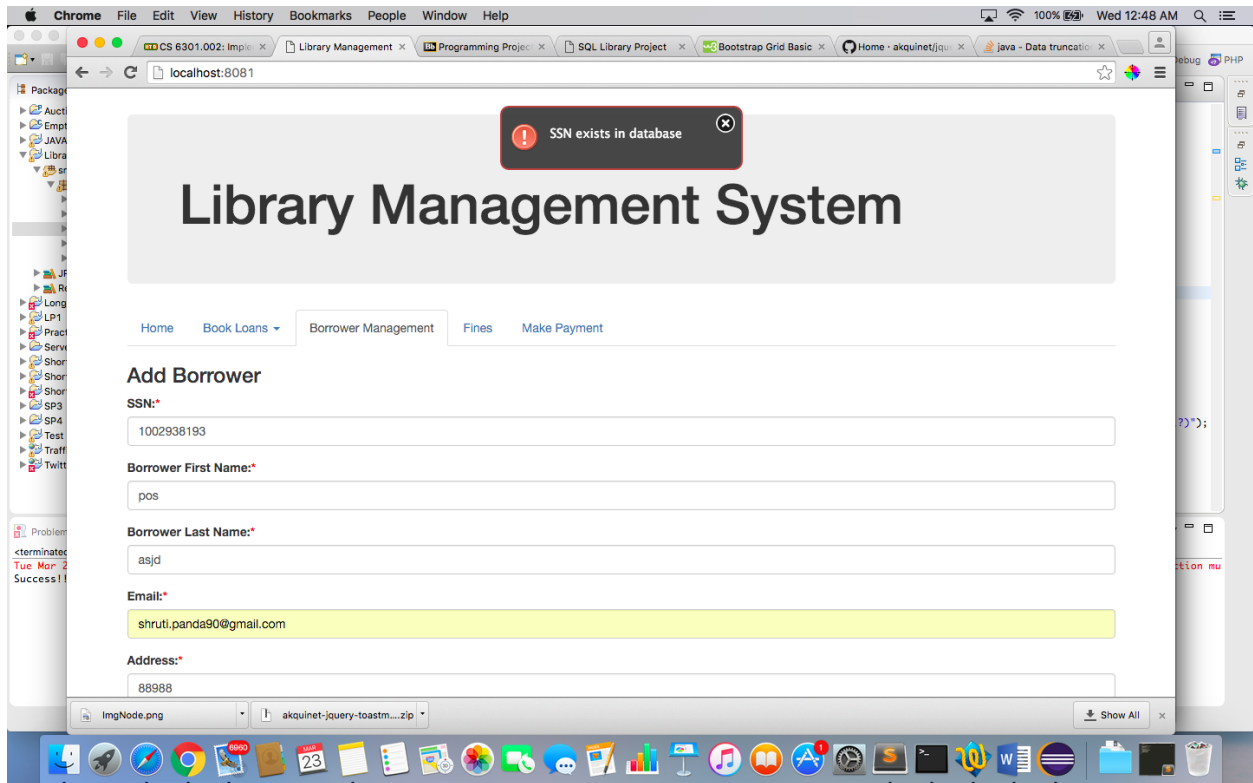


The screenshot shows a web browser window with multiple tabs. The active tab is 'Library Management', and the address bar shows 'localhost:8081'. A dark grey notification box in the top right corner displays a green checkmark and the text 'Add Borrower Success'. Below the notification, a navigation bar contains links: 'Home', 'Book Loans', 'Borrower Management' (active), 'Fines', and 'Make Payment'. The main content area is titled 'Add Borrower' and contains a form with the following fields:

- SSN:** 1002938193
- Borrower First Name:** Shobhika
- Borrower Last Name:** Panda
- Email:** panda.shobhika@gmail.com
- Address:** 7777
- City:** Dallas
- State:** Texas
- Phone:** 9175171192

At the bottom of the form is a blue button labeled 'Add Borrower'.

Functionality 3: Add Borrower SSN exists, when duplicate ssn is given as input the following is shown as error.



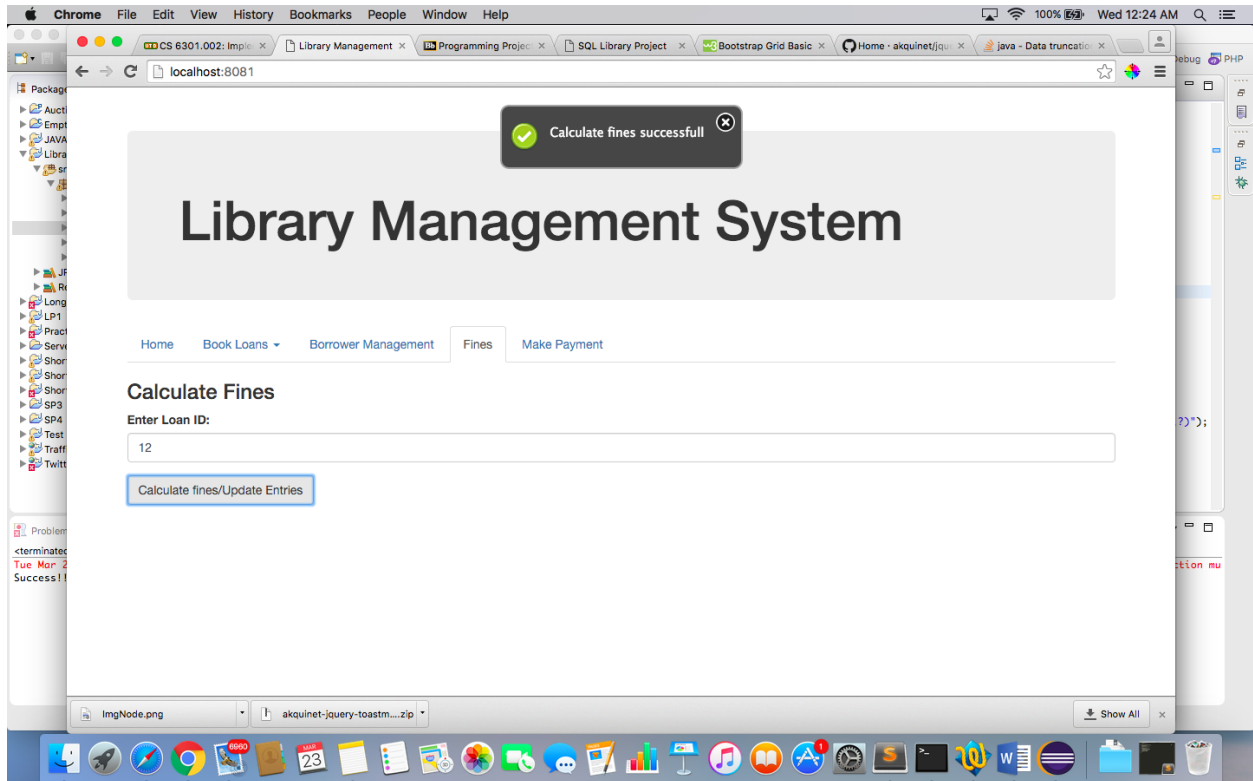
Functionality 3: Add Borrower Success back end id added compatible to existing format ID001001. (Max(card_no)+1)

ID000943	389-24-3620	Gerald	Porter	gporter96@mozilla.com	11934 Upham Point	Dallas	TX	(214) 786-8751
ID000944	776-68-1123	Todd	Brooks	tbrooks97@tuttocitta.it	7838 Moland Plaza	Dallas	TX	(469) 781-8448
ID000945	679-76-7522	Jean	Rice	jrice98@chron.com	48712 Mockingbird Road	Dallas	TX	(469) 935-5450
ID000946	729-59-6353	Jack	Day	jday99@jugen.jp	2107 Kipling Plaza	Dallas	TX	(214) 913-6444
ID000947	628-48-3788	Any	Woods	awoods99@hatena.ne.jp	5 Shoshone Crossing	Dallas	TX	(469) 773-4866
ID000948	785-13-2932	Raymond	Greene	rgreene99@lgh.com	55619 Surrey Plaza	Dallas	TX	(469) 983-7473
ID000949	181-97-8660	Arthur	Wright	awright99@spiegel.de	158 John Wall Street	Dallas	TX	(214) 941-5889
ID000950	946-46-6223	Daniel	Hunt	dhunt99@bizjournals.com	13789 Mariners Cove Center	Richardson	TX	(972) 915-2723
ID000951	481-28-6748	Julie	Hamilton	jhamilton99@time.com	6289 Ludington Pass	Dallas	TX	(972) 812-7230
ID000952	864-59-6298	Diana	Garza	dgarza99@free.fr	83139 Warrior Parkway	Dallas	TX	(972) 872-4888
ID000953	378-11-1197	Walter	Cruz	wcruz99@kontakte.ru	463 Hanover Junction	Dallas	TX	(972) 836-9111
ID000954	858-85-9666	Mildred	Ramirez	mr Ramirez99@dropbox.com	7 Anderson Lane	Dallas	TX	(972) 826-9318
ID000955	475-45-2130	Jean	Gilbert	kgilbert99@webbeden.co.uk	769 Colorado Center	Dallas	TX	(469) 858-6877
ID000956	784-23-8258	Frances	Porter	fporter99@ion.ne.jp	16 Farwell Park	Dallas	TX	(214) 958-6327
ID000957	847-54-7819	Jane	Carter	jcarter99@so-net.ne.jp	746 East Court	Dallas	TX	(469) 859-2686
ID000958	316-48-2743	Johnny	Perry	jperry99@twitpic.com	5891 Melrose Court	Dallas	TX	(469) 783-2541
ID000959	973-44-7229	Donald	Powell	dpowell99@marriott.com	1901 Laurel Pass	Dallas	TX	(972) 917-5123
ID000960	597-54-1868	Russell	Morales	rmorales99@addtoany.com	6 Continental Hill	Dallas	TX	(469) 833-1681
ID000961	853-82-8515	Earl	Smith	esmith99@thostigator.com	73 Towne Hill	Dallas	TX	(469) 919-5433
ID000962	961-18-2631	Jane	Phillips	jphillips99@xrea.com	9 Northland Place	Dallas	TX	(469) 981-5694
ID000963	348-38-2920	Ruby	Black	rbblack99@fotki.com	81580 Main Alley	Dallas	TX	(214) 839-6582
ID000964	658-36-9913	Teresa	Fernandez	tfernandez99@google.com.au	58 Arrowood Circle	Richardson	TX	(972) 918-7531
ID000965	948-61-5781	Jacqueline	Hamilton	jhamilton99@washingtonpost.com	792 Burrows Lane	Dallas	TX	(972) 785-5833
ID000966	136-33-6897	Anthony	Elliott	aelliott99@uiuc.edu	82 Harper Lane	Dallas	TX	(972) 942-6886
ID000967	788-32-3564	Louise	Henderson	lhenderson99@nashable.com	58 Southridge Way	Dallas	TX	(469) 897-6813
ID000968	174-47-8894	Lillian	Cruz	lcruz99@wordpress.org	1282 Nevada Crossing	Dallas	TX	(469) 577-8883
ID000969	235-78-1481	David	Davis	ddavis99@angelfire.com	6266 Debs Place	Dallas	TX	(214) 864-7187
ID000970	919-55-8847	Janice	Price	jprice99@sina.com.cn	269 Farragut Trail	Dallas	TX	(214) 941-9869
ID000971	687-98-1452	Donald	Palmer	dpalmer99@naver.com	12 5th Junction	Richardson	TX	(469) 677-4531
ID000972	535-61-9932	Donald	Washington	dWASHINGTON99@amazon.co.uk	978 Moose Plaza	Dallas	TX	(972) 844-7688
ID000973	328-83-3548	Jessica	Jones	jjones99@ix.com	37 Melrose Court	Richardson	TX	(972) 986-8668
ID000974	688-66-8182	Amy	Coleman	acoleman99@microsoft.com	2562 Pond Junction	Dallas	TX	(214) 954-7729
ID000975	894-17-1936	Marie	Ryan	mr Ryan99@comcast.net	4287 Canary Center	Dallas	TX	(469) 924-4283
ID000976	882-93-4888	Gloria	Barnes	gbarnes99@ask.com	149 Columbus Avenue	Dallas	TX	(214) 797-8275
ID000977	328-58-2875	Charles	Lawrence	clawrence99@attopay.com	7 Randy Terrace	Dallas	TX	(972) 813-8851
ID000978	179-35-6366	Patricia	Hill	phill99@friendfeed.com	2586 Ridgeway Drive	Richardson	TX	(469) 932-9594
ID000979	223-32-8258	Ryan	Young	ryoung99@jalum.net	48252 Lyons Terrace	Dallas	TX	(214) 742-4838
ID000980	584-76-4480	Willie	Woods	wwoods99@barnesandnoble.com	99 Sunbrook Circle	Dallas	TX	(214) 818-2688
ID000981	131-82-6887	Cynthia	Webb	cwebb99@earthlink.net	6816 Leroy Way	Dallas	TX	(214) 975-2196
ID000982	478-88-8995	Joyce	Cox	jcox99@yellowpages.com	5807 Meadow Vale Way	Richardson	TX	(972) 832-4867
ID000983	218-87-6619	Debra	Kim	dkim99@theatlantic.com	383 Bashford Road	Plano	TX	(469) 747-4898
ID000984	757-76-8849	Louise	Harrison	lharrison99@is.gd	13 American Ash Place	Richardson	TX	(214) 897-8864
ID000985	641-17-6232	Douglas	Day	dday99@tiny.cc	264 Packers Place	Dallas	TX	(469) 868-2443
ID000986	698-38-6386	Jane	Hughes	jhughes99@dedecms.com	85 Tony Junction	Dallas	TX	(972) 963-9685
ID000987	485-88-7979	Joan	Wagner	kwagner99@indiegogo.com	76837 Heath Trail	Dallas	TX	(972) 841-3593
ID000988	697-58-5730	Joyce	Gibson	kgibson99@reliant.com	8685 Old Shore Avenue	Dallas	TX	(469) 848-4916
ID000989	659-82-3329	Paula	Harrison	pharrison99@box.ac.uk	7 Swallow Pass	Dallas	TX	(469) 622-5174
ID000990	647-36-9732	Bobby	Dunn	bdunn99@intel.com	785 Graedel Place	Plano	TX	(972) 923-3432
ID000991	659-27-5845	Bonnie	Ross	brross99@tiny.cc	81741 Hallows Plaza	Dallas	TX	(214) 938-4665
ID000992	923-61-2260	Dennis	Wheeler	dhwheeler99@gov.uk	8321 Mendota Crossing	Dallas	TX	(214) 932-7840
ID000993	646-38-1413	Jason	Gutierrez	kgutierrez99@ameblo.jp	7 Pearson Way	Dallas	TX	(972) 998-8298
ID000994	968-11-7539	Diana	Spencer	dspencer99@gravatar.com	467 Menomonia Alley	Richardson	TX	(972) 858-9653
ID000995	784-77-6835	Jessica	Thompson	jthompson99@abc.net.au	73 Mandrake Center	Dallas	TX	(972) 728-3395
ID000996	468-32-4617	Sean	Pierce	spiercern99@engadget.com	87 Laurel Park	Dallas	TX	(469) 987-3850
ID000997	647-49-5762	Alan	Stewart	astewart99@indiegogo.com	74154 Drewry Street	Dallas	TX	(469) 944-5861
ID000998	345-58-9435	Janice	Robinson	jrobinson99@springer.com	7791 Maple Hill	Dallas	TX	(972) 855-6553
ID000999	584-57-5850	Barbara	Carroll	bcarroll99@vinaora.com	5989 4th Avenue	Dallas	TX	(214) 999-2485
ID001000	362-54-6887	Lori	Mccoy	lmccoy99@mapquest.com	71 Evergreen Crossing	Dallas	TX	(972) 975-7324
ID001001	1882938193	Shobhika	Panda	panda.shobhika@gmail.com	7777	Dallas	Texas	9175171192

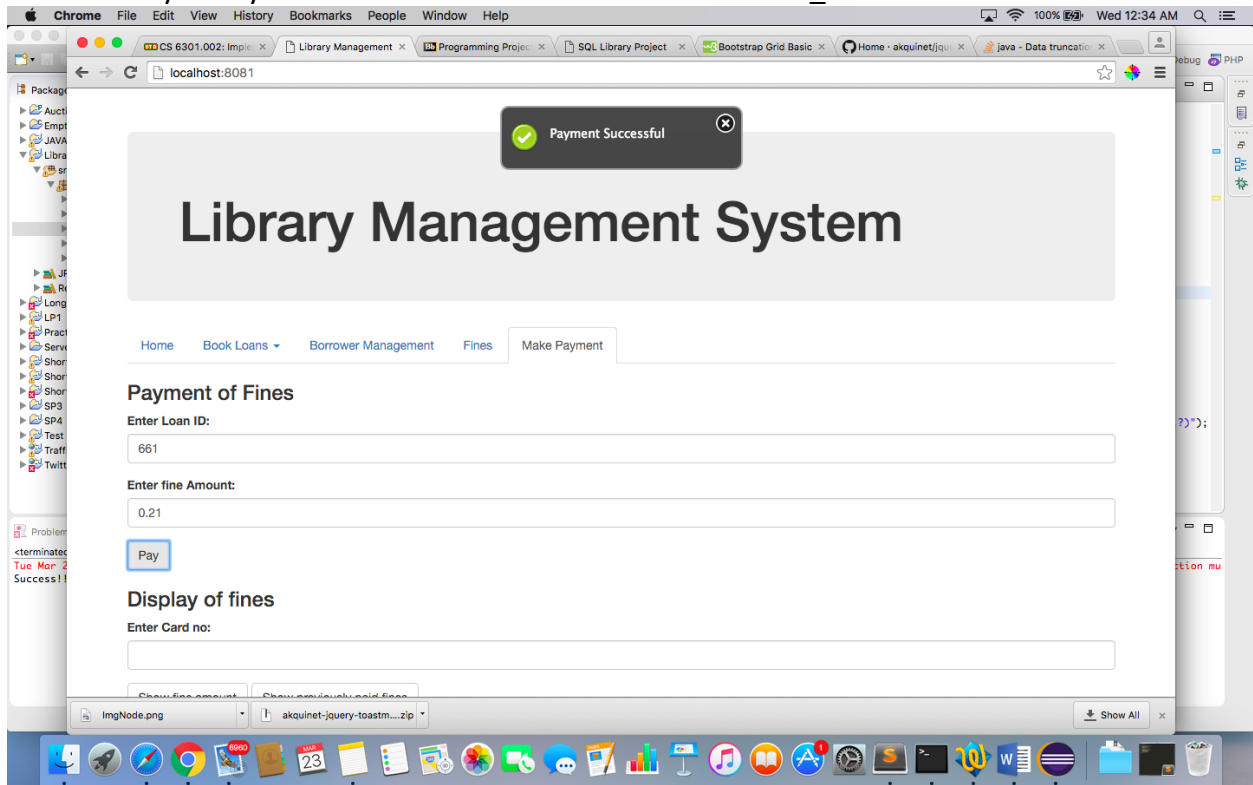
1882 rows in set (0.86 sec)

mysql> |

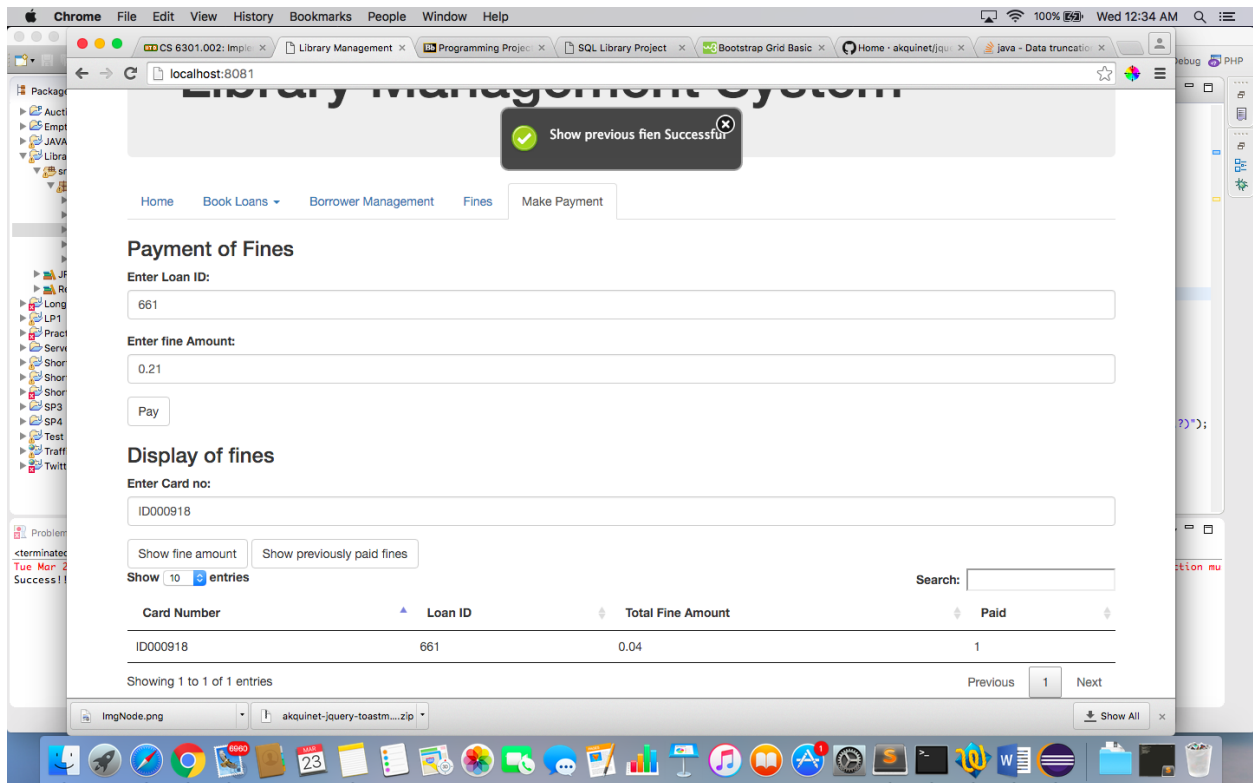
Functionality 4: Calculate fines for a loan id, in the back-end , if there is a date_in the fine is updated for that particular id in fines table. If there is no date_in field, then the estimated fine is calculated.



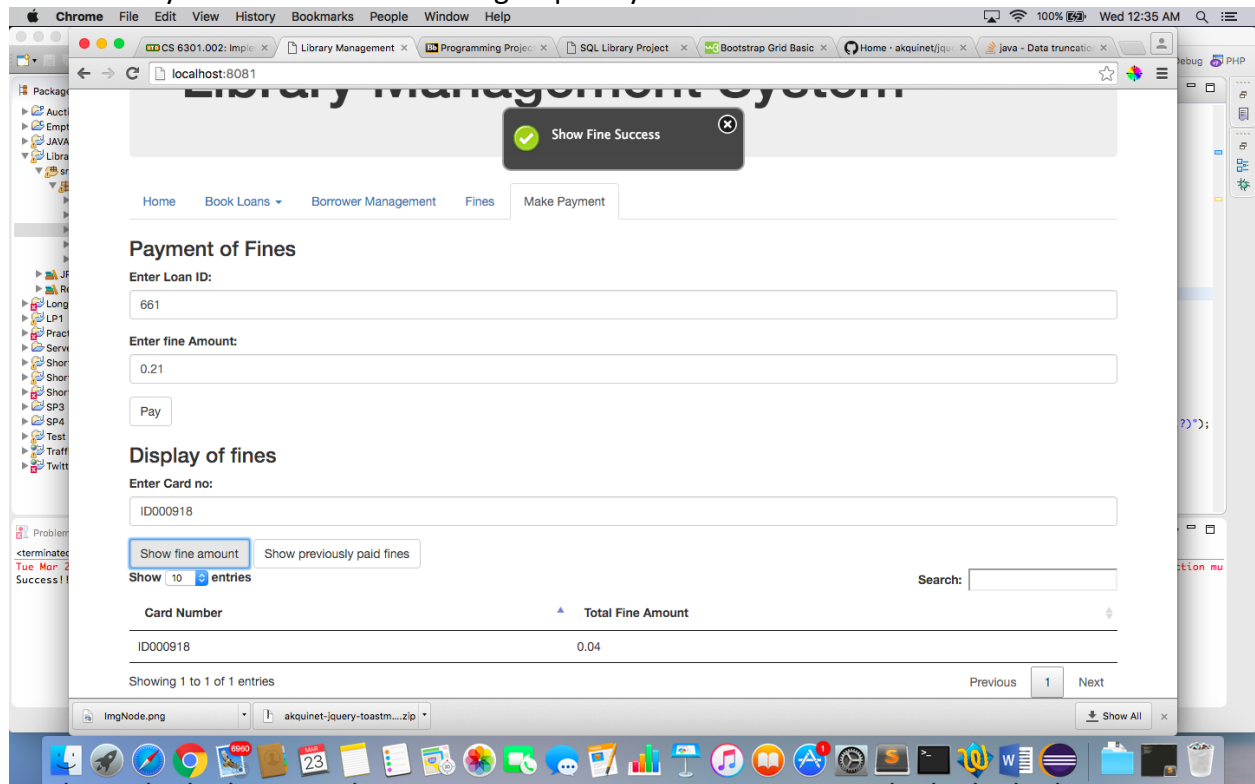
Functionality 4: Payment successful for a loan id that has date_in.



Functionality 4: Show fines which have been previously paid for a card number



Functionality 4: Show fines that exist grouped by card number



Functionality 4: Payment not successful for a book that has not been returned

