

User Stories							
US#	Story Category	Title	As a/an...	I want to...	so that...	Priority	Time Estimate (hours)
5	Librarian	Log in	Librarian	Log in to the system	I can access features only available to librarians	1	3
9	Librarian	Add new materials	Librarian	Add new material to system	I can updated the current inventory database	2	5
7	Librarian	Record a Check in item	Librarian	Record a Check in item	I can move a item from check out database to inventory database	3	5
6	Librarian	Record a Check out item	Librarian	Record a Check out item	I can keep an record when a patron check out material in the system	4	3
12	Patron	Patron checkout	Member	Checkout Materials	I can loan materials from the library for personal use. I can loan materials from the library for a maximum period of 30 days. If I exceed 30 days I will be fined \$0.10 per day per overdue item.	4	3
10	Librarian	Search the system	Librarian	Search material in the system	I can view the current status of the material: check out/in; hold by which patron; due date;	6	1
11	Librarian	Manage partons' membership	Librarian	Manage partrons' membership	I can CRUD patron's membership and informations.	7	5
22	User	Search Materials	User	Search materils	I can search materials by: (1) MaterialID and/or (2) Title and/or (3) Author and/or (4) Subject. I can then view search results and view whether the material is available	8	2
27	System	Daily Report Generation	System	Generate Daily Report	it will send an e-mail to member who has to return a item in 5 days; it will calculate fines for each overdue item automatively; it will send an e-mail to members on their first overdue day	9	5
8	Librarian	Manage Fines	Librarian	Receive fines from past due patrons	the patrons will clear the past due record and continue to be regular member	11	1
23	User	Library Contract	User	see the library email and phone number	I can contact the library with questions aor concerns	13	1
24	User	Library Hours	User	see when the library will open	I know when I can visit	14	1
25	User	Library Map	User	see a map of the library location	I can find the library	15	2
26	User	Mobile accessibility	User	use all users' function in my mobile		16	4
20	Patron	Log in	Member	Log in the system	I can search material, add material to wishlist, make material reservations	20	1
13	Patron	Change personal information	Member	change my password and contract information	I can make sure my address and contact information is current; account is secure by changing password	21	1
15	Patron	View mateirals record	Member	View my loan record and view any accrued fines	I can view my material loan history. I can view what materials I checkout in the past. I can view when any currently loan materials are due. I can view if I have any fines. I can view if I have any reserved materials. I can only view my own record - I will have to authenticate i.e. Login	23	3
18	Patron	Search Materials -Patron	Member	Search Materials	I can search materials by: (1) MaterialID and/or (2) Title and/or (3) Author and/or (4) Subject. I can then view search results	24	2
17	Patron	Reserve Materials	Member	Reserve Materials	I can reserve materials that are currently checked out, but that I wish to checkout in the future. I cannot reserve materials that are currently checked in. When a reserved material is returned to the library I will be notified if I am next in queue	25	5
16	Patron	Pay fines	Member	Pay fines	I can pay fines to stay in good standing with the library and continue to loan materials	26	1
14	Patron	Receive info when reserved item is availble	Member	Receive info when reserved item is availble	when the wanted item is returned, I will ne notified and can check it out	27	1
19	Patron	CRUD Wishlist	Member	CRUD Wishlist	I can add and delete items from my wishlist. My wishlist will show the status of the material(wether it is cheked in or out). My wishlist will indicate if I have checked out an iteam before. I can view my wishlist on a mobile device.	28	4
2	Super Librarian	Log in	Super Librarian	Log in to the system	I can access features only available to super librarians	31	1
3	Super Librarian	Create/Read/Update/Delete patron	Super Librarian	CRUD patrons' information	I can updated the current patron database	32	1
4	Super Librarian	CRUD Librarian emplyoment	Super Librarian	Manage librarian emplyoment	I can control the employment of employees database	33	1
1	super Librarian	Manage website	Super Librarian	Update hours and contact information on the website	I can keep the information current for users to access	34	1
21	User	guest can apply for membership	User	Apply for Membership	I can apply to be a member of the library. If made a member I will receive a library card with which to checkout materials	40	1
28	System	Internal Audit	System	Perform interal audit	a member will not allowed to check out other items if they have already check out 5 items; a member will not alowed to check out other items if they have unpaid overdue;	50	3
29	System	Manage wishlist	System	Manage wishlist	It will generate a wishlist report weekly to see the partons demand;	51	2
					Person-hours of work:		69
					Assuming 70% velocity, the hours it will take to actually complete the work:		98.6
We will take 3 weeks for each iteraion, each member contributes 4 hours per week and we have 4 members in our team. In this situation, the total work hours for each iteration is 48 hours.							
					Hours of work (including 70% velocity) that can be completed by a 4 person team in 1 iteration:		48
					How many iteraion we will have :		2.05
					The different iterations are painted into different colors.		