Functional Development Timeline

Project : Library Management System (Vivlio)   No. of Man Hours Development: 142
Application Architect : Ryan H. Pastoriza   Expected Time of Delivery : March 2, 2018
Expected Time Development :

Module(Level 1)	S-Mod. (Level 2)	S-Mod. (Level 3)	S-Mod. (Level 4)	Action	Priority	Duration/hr.	Dev. Start	Dev. End	Remarks	Developer
Technical	Catalogue	Search Engine	Search	Retrieve	3	16	1/19/2018	1/22/2018		Ryan
				Process						
				Sort						
				Autocomplete						
				Filter						
				View						
			View Record	Retrieve (Full MARC)	2	16	1/17/2018	1/18/2018		Ryan
				Process						
				On Error						
				View						
				Edit						
				Process						
				Modify Status						
				View Copies						
				View Copy Information						
				Edit Copy						
			Full MARC Record	Retrieve	1	32	1/11/20188	1/16/2018		Ryan
				Create/segregate/process						
				Add template						
				Retrieve						
				View						
				Add tags						
				Retrieve						
				View						
				Add subfields						
				Retrieve						
				View						

Prepared by: Noted by: Approved by:

Ryan H. Pastoriza _____   Niño B. Jabagat _____   Jovanni G. Bayawa _____
Application Architect   Date   Project Coordinator   Date   Manager   Date

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	Indexing	Indexing and Abstracting	Search and Filter	Retrieve	21	2				Rustom
				Process						
				Sort						
				Autocomplete			1/29/2018	1/29/2018		
				Filter						
				On Error						
				View						
			Indexing	Retrieve	22	2	1/30/2018	1/30/2018		Rustom
				On Error						
				Create						
				View/Edit						
			Abstracting	Retrieve	23	2	1/30/2018	1/30/2018		Rustom
				On Error						
				Create						
				View/Edit						
	E-Resource		List	Retrieve	24	2	1/30/2018	1/30/2018		Rustom
				Process						
				On Error						
				View						
			E-Resource Information	Retrieve	25	2	1/30/2018	1/30/2018		Rustom
				Process						
				On Error						
				View						
				Edit						
			Upload	Upload	26	4	1/31/2018	1/31/2018		Rustom
				Check						
				Verify						
				On Error						
				View						

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	Acquisition	Purchase Order	List	Retrieve	27	4	1/31/2018	1/31/2018		Rustom
				Filter						
				Search						
				View						
			Details	Retrieve	28	2	2/1/2018	2/1/2018		Rustom
				Process						
				View/Edit						
				Print						
			Create	Create	29	4	2/1/2018	2/1/2018		Rustom
				Process						
				On Error						
				View/Edit						
		Suggestions	Create	Process	30	4	2/2/2018	2/2/2018		Rustom
				Add						
				Insert						
				View						
				Print						
				Print History						
			List/Search	Retrieve	31	2	2/2/2018	2/2/2018		Rustom
				Process						
				On Error						
				View						
			View Record	Retrieve	32	2	2/2/2018	2/2/2018		Rustom
				Process						
				On Error						
				View/Edit						
	Library Material Utilization	Monitoring	Barcode	Scan	4	2	1/23/2018	1/23/2018		Rustom
				Process						

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				Retrieve						
				In-lib usage (insert)						
			Item Usage	Retrieve	5	2	1/23/2018	1/23/2018		Rustom
				Calculate						
				View						
			General Item Usage	Retrieve	6	2	1/23/2018	1/23/2018		Rustom
				Calculate						
				View						
		Report	By Course	Retrieve	7	2	1/23/2018	1/23/2018		Rustom
				Filter						
				Process						
				View						
			By Material	Retrieve	8	2	1/23/2018	1/23/2018		Rustom
				Filter						
				Process						
				View						
Reports	Inventory	Start Inventory	Setting Up Inventory	Schedule	18	4	1/26/2018	1/29/2018		Rustom
				Process						
				Insert						
			Inventory	Scan	19	4	1/29/2018	1/29/2018		Rustom
				Retrieve						
				Retrieve transaction						
				Process						
				On Error						
				Insert						
				Retrieve						
			History	Search	20	2	1/29/2018	1/29/2018		Rustom
				Filter						

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				Retrieve						
				Process						
				Retrieve list						
				Retrieve(single)						
				Print						
Dashboard	Overviews		Loans	Retrieve	9	2	1/24/2018	1/24/2018		Rustom
				Process						
				View						
			Returns	Retrieve	10	2	1/24/2018	1/24/2018		Rustom
				Process						
				View						
			Renewals	Retrieve	11	2	1/24/2018	1/24/2018		Rustom
				Process						
				View						
			Holds/Reserves	Retrieve	12	2	1/24/2018	1/24/2018		Rustom
				Process						
				View						
			Penalties	Retrieve	13	2	1/25/2018	1/25/2018		Rustom
				Process						
				View						
			Overdue	Retrieve	14	2	1/25/2018	1/25/2018		Rustom
				Process						
				View						
			Borrowers	Retrieve	15	2	1/25/2018	1/25/2018		Rustom
				Process						
				View						
			Fines	Retrieve	16	2	1/25/2018	1/25/2018		Rustom
				Process						

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				View						
	Calendar			Retrieve	17	4	1/26/2018	1/26/2018		Rustom
				Process						
				Set values						
				View						
				Edit						
Online Public Access Catalog (OPAC)			Search Record	Retrieve	33	2	2/5/2018	2/5/2018		Rustom
				Process						
				Sort						
				Autocomplete						
				Filter						
				View						
			View Record	Retrieve	34	2	2/5/2018	2/5/2018		Rustom
				Process						
				On Error						
				View						
			Holds/Reserves	Retrieve	35	2	2/5/2018	2/5/2018		Rustom
				Process						
				On Error						
				Retrieve Patron info						
				Retrieve checkout						
				View						
				Retrieve Overdue						
				View						
				Retrieve Fines						
				View						
Modules and Features below not yet included in the timeline. Requires further planning and design										

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User Management	List								
	Profile								
	Roles and Accessibility								
Circulation			Statistics						
Reports	LMU Statistical Report	General	Course						
			Material						
	Patron								
	Fines								
	Acquisition								
	Borrowing								
	Monthly Reports and Statistics (?)								
	Other LMU Reports								
	Other Library Semestral Reports (?)								
Dashboard	Statistics		Patron						
Total Hours							142		
Days Conversion							18		
Cut-off							2/5/2018		

Testing and Debugging Timeline					Summary	
Test/Debug	Duration	Start	End		Category	Days Duration
1st –Test	1	2/6/2018	2/6/2018		GUI Development	
1st – Debug	5	2/7/2018	2/13/2018		Functional Development	18

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2nd – Test	1	2/14/2016	2/14/2016	Testing	4
2nd – Debug	4	2/15/2018	2/20/2018	Debugging	14
3rd - Test	1	2/21/2018	2/21/2018	**Total**	36
3rd – Debug	3	2/22/2018	2/26/2018	Completion	
4th - Test	1	2/27/2018	2/27/2018	March 2, 2018	
4th - Debug	2	2/28/2018	3/1/2018		

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