Project Plan

FastLoan project will extend over two weeks and there will be four resources working on different phases of the project to deliver the expected deliverables for each phase.

Work Breakdown Structure

Level	WBS	Task	Resource	Est.
1	1	**Initiation**		
2	1.1	Ideation	All	1 hr.
2	1.2	Market Analysis	All	0.5 hr.
2	1.3	Risk Assessment	All	0.5 hr.
2	1.4	Business Document*	All	3 hr.
1	2	**Planning**		
2	2.1	Project Schedule*	M	0.5 hr.
2	2.2	Resources Plan*	T	0.2 hr.
2	2.3	Communication Plan*	All	0.2 hr.
1	3	**Execution**		
2	3.1	Analysis		
3	3.1.1	Requirements Analysis	All	4 hr.
3	3.1.2	Requirements Prioritization	All	1 hr.
3	3.1.3	Requirements Refinement	All	0.5 hr.
3	3.1.4	Requirements Document*	All	4 hr.
2	3.2	Design		
3	3.2.1	UI Wireframes	All	1 hr.
3	3.2.2	Business Process Design	S	5 hr.
3	3.2.3	Data Dictionary	R	2 hr.
3	3.2.4	Architecture Diagrams	M	2 hr.
3	3.2.5	Technology Stack*	All	0.5 hr.
2	3.3	Implementation		
3	3.3.1	Smart Contract Coding	All	12 hr.
3	3.3.2	MongoDB Design	M	1 hr.
3	3.3.3	NodeJS Backend Coding	All	20 hr.
3	3.3.4	React Coding	All	15 hr.
3	3.3.5	Testing Smart Contract (Remix)	All	10 hr.
3	3.3.6	Testing Backend	All	5 hr.
3	3.3.7	Testing Frontend	All	4 hr.

3	3.3.8	Integration Testing	All	5 hr.
1	**4.4**	**Closing**		
2	4.1	Go Live	All	20 hr.
2	4.2	Lessons Learned	All	2 hr.
2	4.3	Hypercare	All	24 hr.
2	4.4	Ongoing Support	All	-

The requirements stated during the review are presented below. The MoSCoW (MUST have, SHOULD have, COULD have, and WON'T have) scale have been further used to prioritize the requirements to ensure that the key deliverables within the given project timeframe are indeed useful.

SN	Function/Task	Area	Objective	Visibility	Priority	Estimated Time (hrs)
1	QualificationCriteria	Web UI	Gives the user brief information about qualification criteria.	Public	Should	1
2.	Define state variables and constructor.	Smart Contract	Define the required state data, data types and data structures.	Public/Private	Must	0.5
3.	submitRequest	Smart Contract	The user submits a request for project funding. Project details and user id are stored.	Public	Must	0.5
4	viewRequests	Smart Contract	A pool of all sent project funding requests .	Owner and lenders	Must	0.5

5	approveRequest	Smart Contract	Approve submitted request	Owner	Must	1
6	Escrow	Smart Contract	An escrow smart contract will hold repayments by the borrower till loan is completed, then forward the payment to the lender	Lenders and Borrowers	Should	2
7	Repayment	Smart Contract	Enable the user to make payments according to specified installments and amount	Only Users	Must	1
8	terminateLoan	Smart Contract	Enable the owner to terminate loan after all installments have been paid.	Only Owner	Must	0.5
9	Defaulter	Smart Contract	Enable some form of action against defaulters	Only owner	Wont	
10	Backend Server	Web Server	Enable interaction between the smart contract and the UI	Dev Team	Must	4.5
11	Frontend UI	Web Interface	A GUI to aid interactivity and usability.	Public	Should	4

12	Testing	Smart Contract/ Web	Ensure the system runs smoothly and as expected	Dev Team	Must	2
13	Documentation	Smart Contract/ Web	Prepare user and technical documentation	Dev Team	Should	3