

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

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TEAM ID	PNT2022TMID51041	
PROJECT TITLE	Smart Lender - Applicant Credibility Prediction for LoanApproval	
TEAM MEMBERS	VIGNESH A	953619104049
	RATHESH PRAVEEN P	953619104032
	ULAGESWARAN T	953619104045
	JAYA RAMA SANKARA MOORTHY J	953619104301

#### Functional Requirements:

The following are the functional requirements of the proposed solution.

- ❖ A functional requirement defines a function of a system or its component, where a function is described as a specification of behaviour between inputs and outputs.
- ❖ It specifies “what should the software system do?”
- ❖ It is mandatory.
- ❖ defined at a component level.
- ❖ Usually easy to define.
- ❖ It helps you verify the functionality of the software.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Bank Statement	Customer should submit the 6 months bank statement when taking decision on loan application.
FR-4	Proof of Identity	Customer can submit their Aadhaar card, PAN card, Passport, Voters ID card, Driving License as proof of identification.
FR-5	Income proof	Customer are required to show some income proof such as Salary slips, Employer affidavits, Income tax returns, Bank statements, Form 16, etc
FR-6	Debt-to-income	DTI is the gross of all monthly debt payments divided by the gross monthly income, calculated as a percentage.
FR-7	Credit Score and History	Lenders will look into your credit score to see how credit worthy you are. The closer your credit score is to 900, the higher are the chances that the lender will approve your loan application.
FR-8	Origination Fee	It is typically 0.5% to 1% of the loan amount and is charged by a lender as compensation for processing a loan application.
FR-9	Collateral	It allows the customer to pledge any asset to seek a loan.

### Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

- ❖ A non-functional requirement defines the quality attribute of a software system
- ❖ It places constraint on “How should the software system fulfil the functional requirements?”
- ❖ It is not mandatory
- ❖ Applied to system as a whole
- ❖ Usually more difficult to define
- ❖ Helps you verify the performance of the software

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Customers can use the application in almost all the web browsers. Application is with good looking and detailed UI, which makes it more friendly to use.
NFR-2	<b>Security</b>	Customers are asked to create an account for themselves using their email which is protected with an 8 character-long password, making it more secure
NFR-3	<b>Reliability</b>	Customers can raise their queries and will be replied with a valid reply, as soon as possible, making the application even more reliable and trust-worthy.
NFR-4	<b>Performance</b>	Customers will have a smooth experience while using the application, as it is simple and is well optimised.
NFR-5	<b>Availability</b>	Application is available 24/7 as it is hosted on IBM Cloud
NFR-6	<b>Scalability</b>	In future, may be cross-platform mobile applications can be developed as the user base grows.