Swot analysis

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| **STRENGTH**  1.Strong capital raising capability  2. Geographic diversification which aids business scalability.  3. No need of income proof.  4. No charges for early closed.  5. You can pay interest only. | **WEAKNESS**  1. Loss of your gold: In case you fail to repay the loan or interest on time.  2. High margin required.  3. Only for short tenures. |
| **OPPORTUNITY**  1. To venture into banking sector.  2. New customer segment.  3. Improvements in data analytics could increase approvals and cross-sell.  4. Increased demand for vehicles and an improving economic environment. | **THREATS**  1. Raising interest scenario.  2. Auto lending is likely to continue to be negatively affected by household debt.  3. Early pay of penalties. |

**FEASIBILITY STUDY:**

The problem is analyzed and a feasibility study is also performed for making sure that it is feasible for creating such a system that grants loans.The feasibility report is created and mainly three type of feasible studies are performed.

1. Technical Feasibility. 2. Functional Feasibility.3. Operational Feasibility.

**1. Technical Feasibility**: In Technical Feasibility, both software and hardware feasibilities are checked. In the case of hardware, the created software can be executed on any configurations in which Microsoft windows operation system works. In order to run the software, a suitable environment is needed. This system was initially written in c++ and executed successfully in many platforms.

**2. Functional Feasibility:** All Functional and Non-Functional requirements have been analyzed. Functional requirements are the one the minimum things the system should support such as this system require windows operating system and an environment to run the code successfully. All the nonfunctional requirements are avoided which could cause system damage.

**3. Operational Feasibility:** The system takes advantage of the opportunities identified and it satisfies the requirements identified in the requirements analysis phase of system development. The system ensures that it will work continuously without any damages in all conditions.

**REQUIREMENTS:**

* Loan requirements
* Age proof
* Car loan -It returns,
* Gold loan –gold
* Rate of interest
* Loan period

1. **WHY**; as of this point raises the loan sanctions and their repayments are done within in customer needs.
2. **WHAT**; the main theme of this project to calculate the loan taken by the customer.
3. **WHEN**; after all the things done the client get the advance payable sum when –they give all the information sources asked by the Loan calculator.
4. **WHERE**; Then after all is said and done, Process of giving loans and their repayments are done in Banks
5. **HOW:** Based on the customers’ requirements the system will provide all the details regarding loan. the customer will provide the information to the calculator to calculate the payable amount

### **High-level requirements:**

* Principal Amount.
* Rate of interest.
* Loan period.
* Income tax returns

**Low level requirements:**

* Calculate the total loan period in months.
* Calculate the interest by using rate of interest formula (A = P (1 + rt)).
* Set the yearly interest rate
* Set the initial amount.

**Test cases:**

**Car Loan:**

**Positive test cases:**

1. User enters age and the IT returns. Based on the IT returns the system will show the amount of loan that user will be eligible for.

2. Based on the number of months choose by the user, the system will generate the total amount that has to be paid including the interest amount.

3. Easy usability. The system asks for simple inputs for user.

**Negative test cases**:

1. The loan amount is calculated based on the IT returns. And no matter how much higher the IT return might be, the system does not allocates loan more than 25l.\

2. If IT returns are less than 1L, the system does not allocate any loan amount.

**Gold loan**

**Positive cases:**

1. All the customers above the age of 18 will be eligible to apply for a loan based on the gold weight.

2. There is not limit for gold weight while applying for a loan

**Negative test cases:**

1. Age below 18 will not be able to apply for a gold loan though they carry gold.