Software Requirements Specification

for

ProfitLifter

Version 1.0 approved

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22-Feb-2022

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Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1 Purpose

For the small Low budget Retail Shop holders who cannot afford a computer system to keep track of their sales data. They have to manually keep details accounted in big heavy registers or just keep check of the products in their mind which is quite not a good convenient way. Sometimes they end up buying products which does not give them valuable profit. Results of such practice leads to wastage of unsold products and the capital the owner invests.

Our ML model works on predicting the profit earned by the shop holders on the sale of various items which lead to a computed analysis for the shop holders helping them to purchase those specific items which are profitable to sell and in the other way it reduces the wastage of unconsumed items.

We are using Machine Learning concept it will be implemented in Python Programming language. Implementing supervised learning for the prediction of profitable items.
Small shop owners struggle to decide what products they should purchase for retail and in what quantity,
This is quite hectic and a time-consuming task. On average a small retail shop owner in India spends about 2 hours a day doing the above task and that too is not preciseness. As humans are prone to error sometimes, they make mistakes that can lead them to lose. They may buy something that they are
unable to resell, this is one of the major problems that a retail shop owner face.

As it is quite difficult for a human to analyse thousands of products and make a wise decision. To solve this problem, we applied Machine learning to this task for the shop owner that will recommend products along with their preferred quantities based on the previous data from that shop only. This will maximize the profit of the shop owner and save countless hours of his/her life that he was previously spending in deciding which products to buy and in what quantity.

1.2 Product Scope

Regarding the scope of the product it will be a useful model for the common retail shop holders for keeping an computed check on their sales with the help of machine learning providing an artificially designed intelligence for the analysis and prediction of the items