

30/9/24

classmate

Date

Page

4

Credit card processing System:

1. Introduction

1.1 Purpose of this Document

To provide insights on credit card processing system's requirements and attributes and budget.

1.2 Scope of this document

The document provides a comprehensive description of the CCP and it must be completed in 30 days.

1.3 Overview

The system allows business to accept credit card payment from customers.

2. General Description

Payment authorization: The customer should enter valid credentials

Transaction submission: The site must securely connect with the respective bank status notification. The business site must be able to send SMS to registered mobile.

3. Functional requirement

The credit card processing system must be implemented as shown and described in the general description

- Maintain record history.
- Process multiple transaction for efficiency.
- Authenticate transaction.

4. Interface requirement:

The payment authorization must have text field for every ~~ere~~ detail of the credit card.

Transaction submission must have a simple buffering page.

Status notification must display a static page saying it has forwarded.

The interface must use React framework

5. Performance Requirements

The system should not exceed 4 secs of response time and must be able to run ~~response time~~ on 8 gb and 256 gb ram and rom system.

6. Design constraints

The system must use only DFS algorithm for detecting the valid users in the database and it must use only Node.js 11.5 version.

7. Non-functional Attributes

The system must work only on apple macos, it must be compatible for all macos sessions and must use a DES encryption standard.

8. Preliminary Schedule and Budget

The project must be completed in 1 month of time and a total of 500 \$ dollars is to be allotted to it.

Credit card system :-



