Wireframe

Credit Card Default Detection Application

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Contents

Abstract

The wireframe document outlines the skeletal structure of a digital interface, serving as a visual guide for the development team. Comprising basic design elements and layout, the wireframe provides a blueprint that illustrates the placement and functionality of key components without detailing aesthetic elements. It acts as a crucial communication tool between designers and developers, facilitating a shared understanding of the user interface's architecture and navigation. The document ensures alignment with project objectives, user needs, and usability standards, streamlining the development process and fostering collaborative decision-making.

1. Introduction

1.1 Wireframe Documentation Overview

Wireframe documentation is a crucial component in the early stages of designing and developing digital interfaces, providing a visual roadmap for the structure and functionality of a system or application. It serves as a skeletal representation, outlining the key elements, layout, and user interactions without the distraction of detailed design elements or content.

1.2 Purpose of Wireframe Documentation

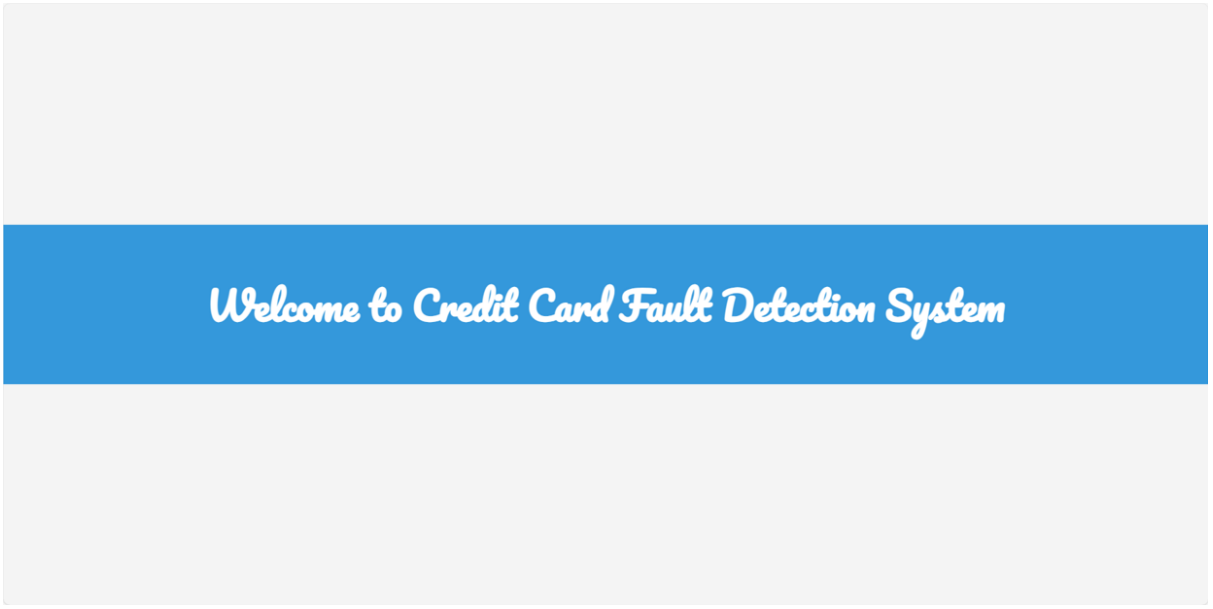
The primary purpose of wireframes is to communicate the basic structure and flow of a user interface, acting as a blueprint for designers, developers, and stakeholders. It helps in aligning expectations, refining ideas, and ensuring a clear understanding of the project's scope and requirements.

2. Home Page:

2.1 Description:

The Home Page serves as the initial landing page for users visiting the credit card fault detection system. Its primary purpose is to provide a welcome message and introduce users to the system's functionality.

2.2 Visual Representation:



3. Form Page:

3.1 Description:

The Form Page serves as the interactive section where users provide specific details related to credit card transactions for the credit card defaulter prediction. The form is designed with a clean and user-friendly interface, making it easy for users to input necessary information.

3.1.1 Components:

a. Header:

The page features a prominent header with the system's name, "Credit Card Defaulter Prediction," presented in a stylized font, providing a visual identity for the application.

b. Form Section:

- Limit Balance:
  Users enter the amount of credit they have been given, including individual and family/supplementary credit.
- Gender (SEX):
  Users select their gender from the provided dropdown list, with options for Male and Female.
- Education:
  Users choose their education level from the dropdown list, with options including Graduate School, University, High School, and Others.
- ·Marital Status (MARRIAGE):
  Users indicate their marital status by selecting from options like Married, Single, and Others.
- Age:
  Users input their age in years, providing a crucial demographic variable for analysis.
- Repayment Status (PAY):
  This section captures repayment status for the months of April to September. Users select from options indicating payment delay or other relevant statuses for each month.

- Bill Amounts (BILL_AMT):
  Users input the amount of their bill statements for the months of April to September, providing financial transaction details.
- Previous Payments (PAY_AMT):
  Users input the amount of their previous payments for the months of April to September, offering insights into their payment behavior.

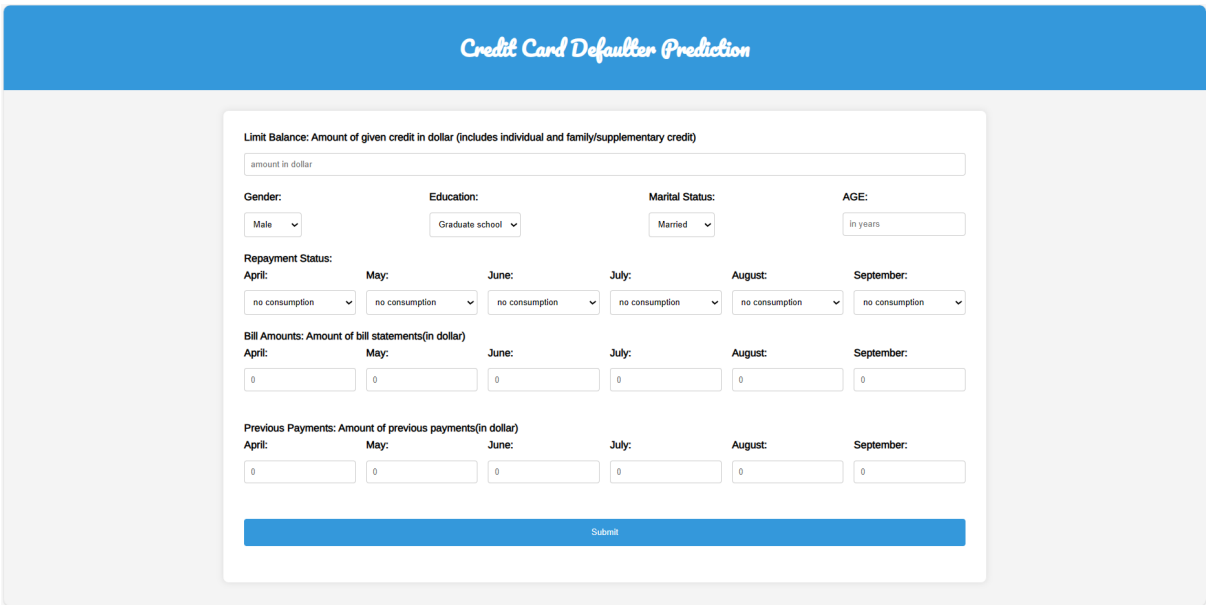
c. Submit Button:

A submission button at the bottom of the form allows users to submit their input for prediction.

d. Styling:

The form is styled using a combination of background colors, box shadows, and border-radius to enhance the visual appeal and user experience.

3.2 Visual Representation:



4. Result Page:

4.1 Description:

The Result Page displays the outcome of the credit card fall detection process. It informs users whether the transaction is classified as 0 or 1, indicating the likelihood of a credit card holder defaulting on their payment in the upcoming month.

The variable takes binary values of 1 or 0, where:

1: Implies that the individual is likely to default on their payment in the next month.

0: Indicates that the individual is not likely to default on their payment in the next month.

This binary outcome variable plays a pivotal role in predicting and assessing credit card default risk, helping financial institutions make informed decisions based on the creditworthiness of individuals.

This page aims to provide clear feedback to users based on the analysis of the submitted credit card details.

4.2 Visual Representation: