

Wireframe

Concrete Compressive Strength Prediction

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Document Version Control

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Abstract

This wireframe blueprint outlines the skeletal structure of an interface designed for predicting concrete compressive strength. Emphasizing functionality and layout over visual aesthetics, the wireframe serves as a collaborative tool for developers and designers. Its strategic placement of key components prioritizes usability, aligning with project objectives. The wireframe's clarity and exclusion of visual elements enable iterative development based on feedback. Adhering to usability standards, it streamlines the interface's architecture and ensures a shared understanding among cross-functional teams. By fostering collaboration, the wireframe contributes to an efficient and effective development process, enhancing the overall user experience for concrete compressive strength prediction.

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

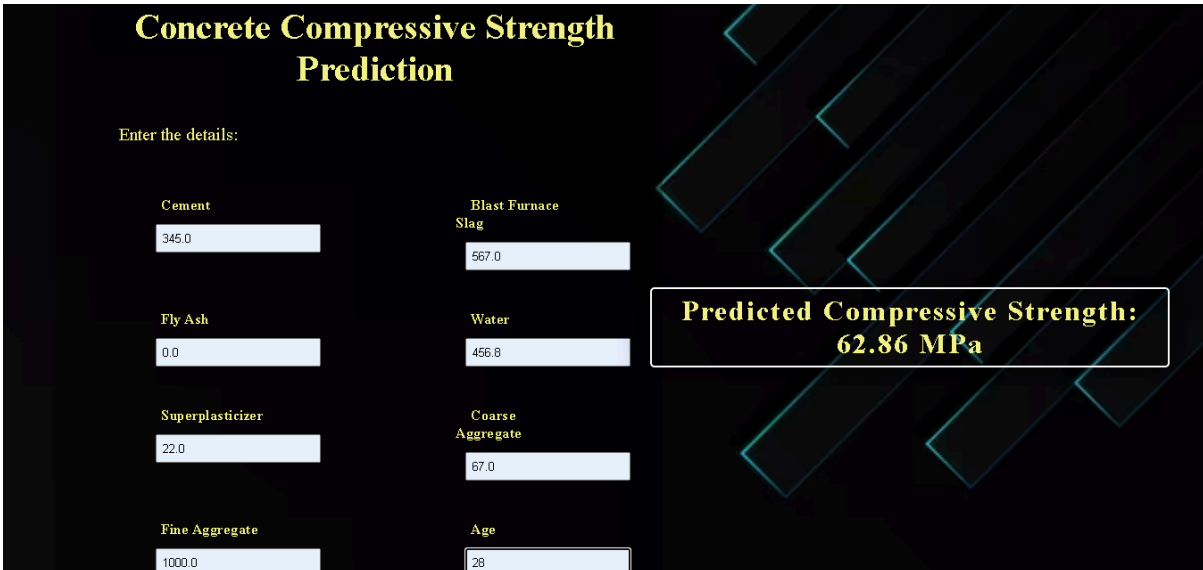
The primary purpose of wireframes is to communicate the basic structure and flow of a user interface, acting as a blueprint for designers, developers, and stakeholders. It helps in aligning expectations, refining ideas, and ensuring a clear understanding of the project's scope and requirements.

2. Home Page:

2.1 Description:

The Home Page serves as the initial landing page for users visiting the Concrete Compressive strength Prediction. Its primary purpose is to provide a welcome message and introduce users to the system's functionality.

2.2 Visual Representation:



The screenshot displays the 'Concrete Compressive Strength Prediction' interface. It features a dark background with a grid of light blue lines. The title 'Concrete Compressive Strength Prediction' is prominently displayed at the top in a bold, yellow font. Below the title, the instruction 'Enter the details:' is shown in a smaller, light blue font. The form consists of two columns of input fields, each with a label above it. The labels are in a light blue font, and the input fields are light blue rectangles. The values entered in the fields are in a light blue font. To the right of the input fields, a yellow box with a black border contains the text 'Predicted Compressive Strength: 62.86 MPa' in a bold, black font.

Input Field	Value
Cement	345.0
Blast Furnace Slag	567.0
Fly Ash	0.0
Water	456.8
Superplasticizer	22.0
Coarse Aggregate	67.0
Fine Aggregate	1000.0
Age	28

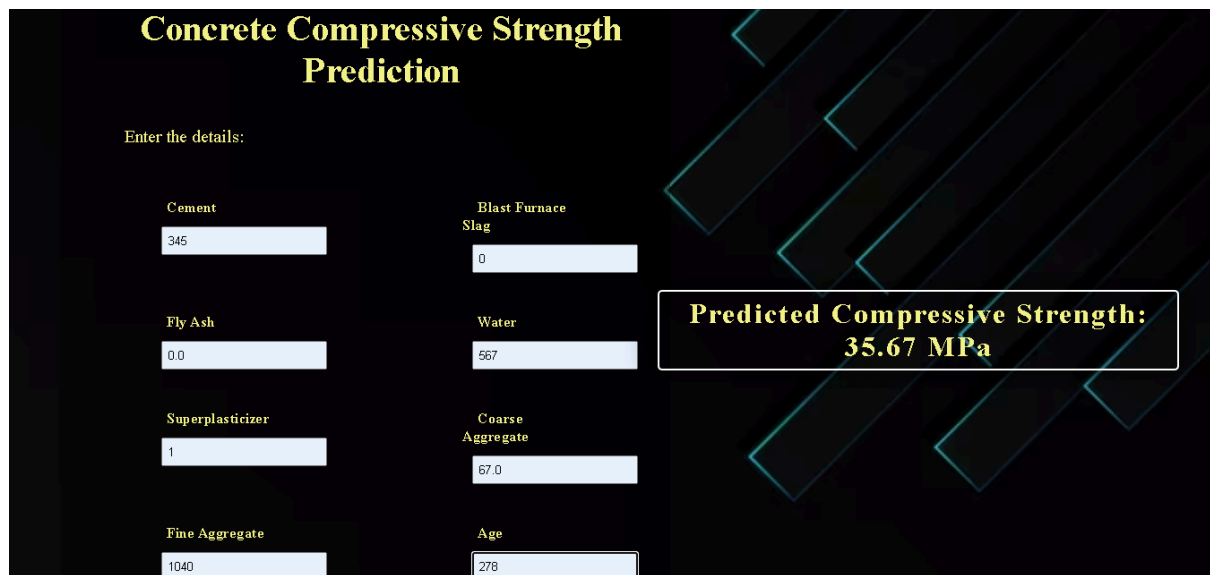
Predicted Compressive Strength: 62.86 MPa

3. Form Page:

3.1 Description:

The Form Page serves as the interactive section where users provide specific details related to Concrete Compressive Strength Prediction. The form is designed with a clean and user-friendly interface, making it easy for users to input necessary information.

3.2 Visual Representation:



The image shows a web application interface for predicting concrete compressive strength. The title is "Concrete Compressive Strength Prediction" in a large, bold, black font. Below the title, there is a section labeled "Enter the details:" in a smaller, bold, black font. This section contains eight input fields arranged in two columns. The left column has four fields: "Cement" (value: 345), "Fly Ash" (value: 0.0), "Superplasticizer" (value: 1), and "Fine Aggregate" (value: 1040). The right column has four fields: "Blast Furnace Slag" (value: 0), "Water" (value: 567), "Coarse Aggregate" (value: 67.0), and "Age" (value: 278). To the right of these input fields, there is a large, light blue rectangular box with a black border. Inside this box, the text "Predicted Compressive Strength: 35.67 MPa" is displayed in a bold, black font. The background of the form is a light gray color with a subtle pattern of diagonal lines.

Parameter	Value
Cement	345
Blast Furnace Slag	0
Fly Ash	0.0
Water	567
Superplasticizer	1
Coarse Aggregate	67.0
Fine Aggregate	1040
Age	278

Predicted Compressive Strength: 35.67 MPa

4. Result Page:

4.1 Description:

The Result Page displays the Concrete Compressive Strength Prediction.

4.2 Visual Representation:

Concrete Compressive Strength Prediction

Enter the details:

Cement	345	Blast Furnace Slag	0
Fly Ash	0.0	Water	567
Superplasticizer	1	Coarse Aggregate	67.0
Fine Aggregate	1040	Age	278

Predicted Compressive Strength:
35.67 MPa

Concrete Compressive Strength Prediction

Enter the details:

Cement	345.0	Blast Furnace Slag	567.0
Fly Ash	0.0	Water	456.8
Superplasticizer	22.0	Coarse Aggregate	67.0
Fine Aggregate	1000.0	Age	28

Predicted Compressive Strength:
62.86 MPa