BIKE SHARING DEMAND PREDICTION

Wireframe Documentation

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1. Introduction

Welcome to the wireframe document for Bike Share Prediction System. This document serves as a blueprint for the visual and functional aspects of our application/website interface. It outlines the structure, layout, and flow of screens to ensure clarity and alignment with our project goals.

1. The first element users encounter on the homepage is a pop-up window displaying example input parameters, providing guidance on the values they can enter. This feature aims to assist users in quickly understanding the type and format of data required, ensuring smooth interaction with our application. By offering clear examples upfront, we aim to enhance user confidence and streamline the input process, ultimately improving the overall user experience.

Figure 1:

2. Next, the user is prompted to enter information about the time of the year, including values related to the season, year, month, and hour of the day. This data allows our system to provide accurate predictions tailored to specific temporal conditions, ensuring relevance and reliability in forecasting outcomes.
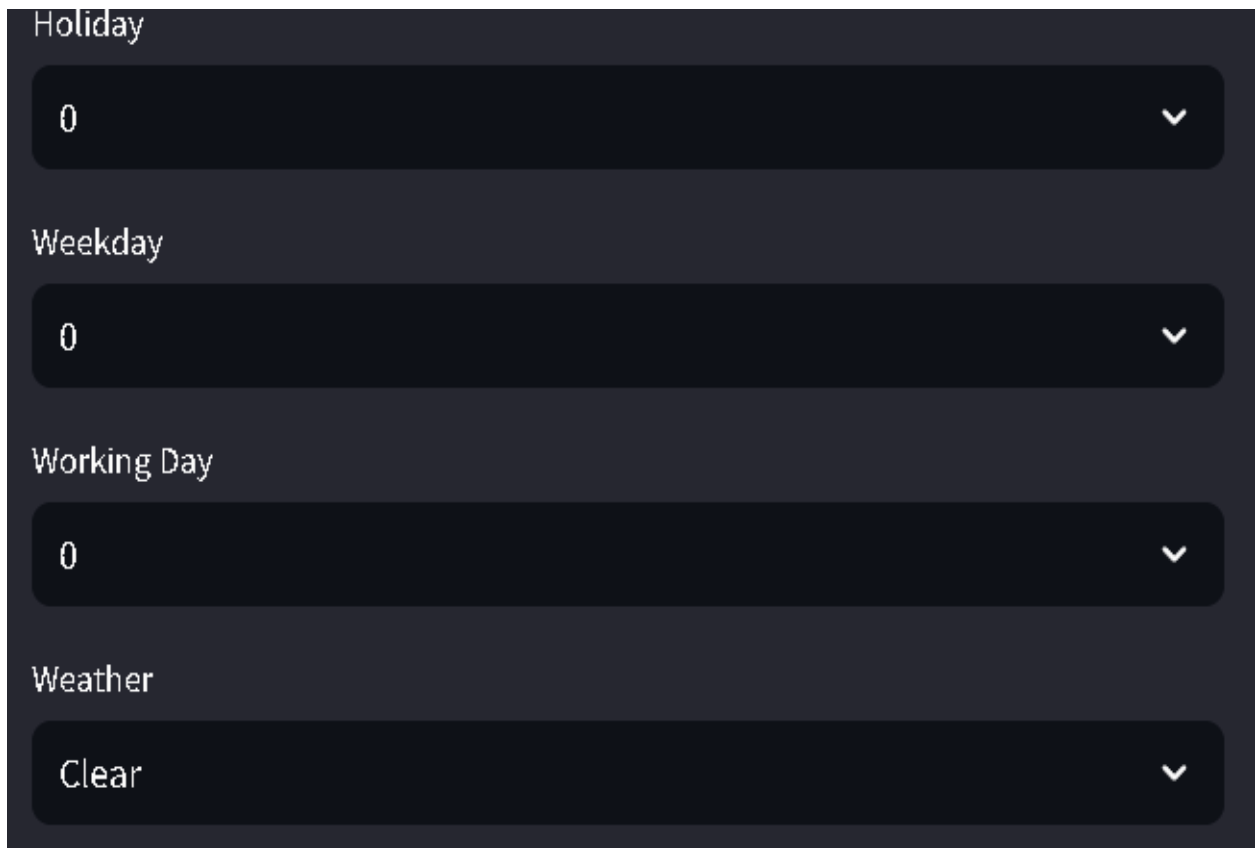
Figure 2:

3. Afterward, users are prompted to enter day-specific attributes, including the day of the week, whether it's a holiday, and whether it's a working day. These details play a crucial role in refining predictions, as they provide context about daily variations in demand or activity levels
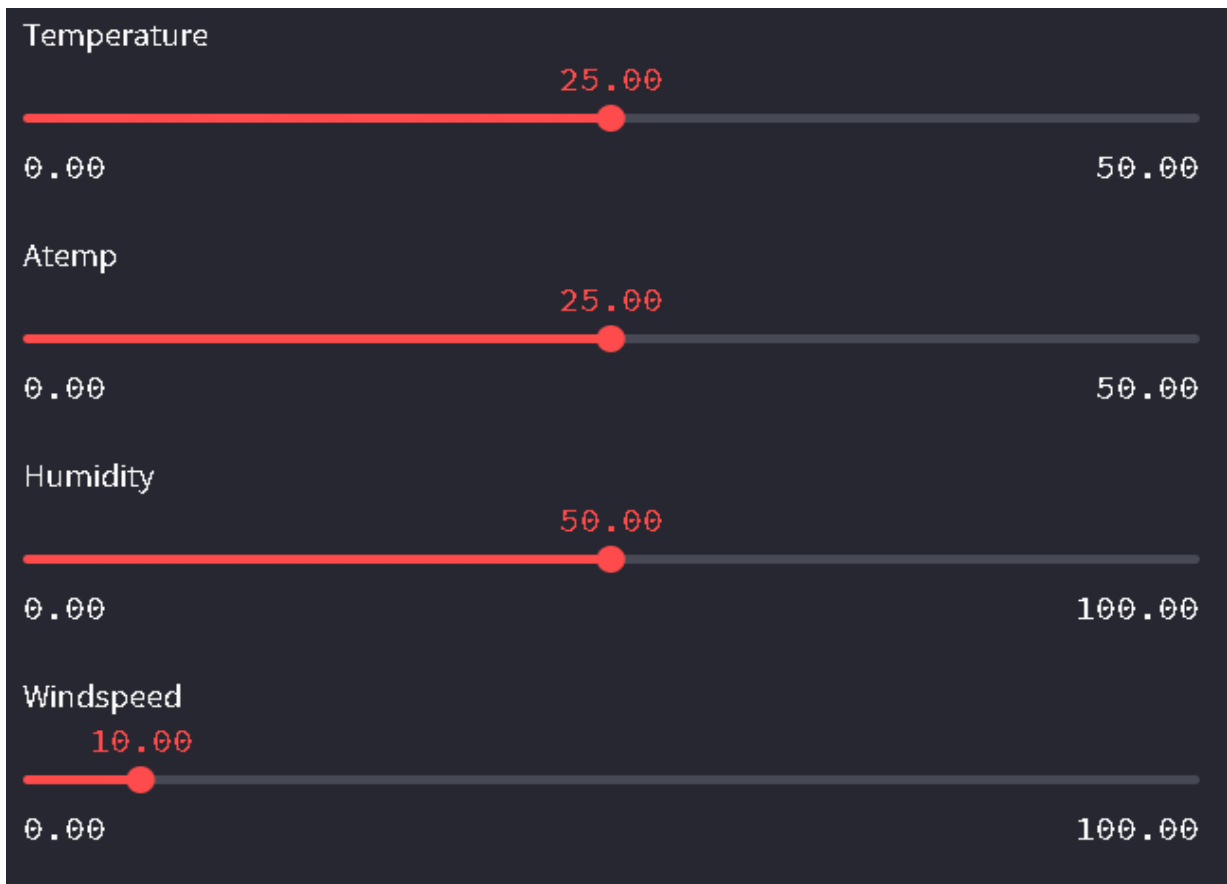
Figure 3:

4. Finally, users are required to input weather-specific attributes, such as temperature and absolute humidity values. These details are integral to our prediction model, enabling it to account for weather variations that significantly influence user behavior and demand patterns.

Figure 4:

5. After clicking 'predict,' you can view your input values alongside the predicted output. Each time you run the prediction, input data will be collected sequentially and displayed on your screen. This iterative process allows for easy tracking and verification of input values used in generating predictions, ensuring transparency and facilitating further analysis or adjustments as needed.

Figure 5: