**Wireframe Document**

**Heart Disease Diagnostic Analysis**

**Revision Number - 1.2**

**Last Date of Revision - 4/07/2023**

**Ashwin Ambore**

WIREFRAME DOCUMENT DESIGN

**Document Control**

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| **Date** | **Version** | **Description** | **Author** |
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| 15/04/2023 | 1.0 | Introduction, | Ashwin Ambore |
|  |  | Problem Statement |  |
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| 23/05/2023 | 1.1 | Dataset Information, | Ashwin Ambore |
|  |  | Architecture |  |
|  |  | Description |  |
|  |  |  |  |
| 4/07/2023 | 1.2 | Final Revision | Ashwin Ambore |
|  |  |  |  |



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H e a r t D i s e a s e D i a g n o s t i c A n a l y s i s

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**We Performed Exploratory Data Analysis on Jupyter Notebook and then created a Power BI Desktop Dashboard.**

1. **What Kind of Population do we have?**

Chart 1

Chart 1

A green and red pie chart

Description automatically generated

* 139 people i.e., 45% of people are suffering from heart disease.
* 164 people i.e., 54.13% people do not have heart disease.

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H e a r t D i s e a s e D i a g n o s t i c A n a l y s i s

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**2. What symptoms do people experience in heart disease**

A graph with red and green bars

Description automatically generated

* People having higher Cholesterol level is having heart disease

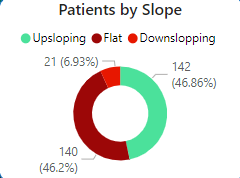
Chart 3

A chart of patients by chest pain

Description automatically generated

* It is Observed that people having asymptomatic chest pain have a higher chance of heart disease.
* Asymptomatic chest pain means neither causing nor exhibiting symptoms of heart disease

Chart 4



* ST Depression refers to a finding on an electrocardiogram, wherein the trace in the ST segment is abnormally low below the baseline.

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Chart 6

A graph showing the difference between cholesterol and cholesterol

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* Old age people are more prone to heart disease and then Mid age.

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Chart 7

A diagram of a patient's pain

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* It is Observed that people having asymptomatic chest pain have a higher chance of heart disease.

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H e a r t D i s e a s e D i a g n o s t i c A n a l y s i s

A close-up of a chart

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* Total Patients with heart disease is 165 (54.6%) of total 303
* subjects.
* Average Risk of developing heart disease is 83.39%.
* Average Resting BP for people with heart disease is 129.3 mmHg.
* Average Serum Cholesterol for people with heart disease is 242.33 mm/dl.
* Average age for people with heart disease is 52.5 years.
* Average max heart rate achieved for people with heart disease is 158.47 bpm.
* Average ST depression induced due to exercise for people with heart disease is 0.58.
* Average no. of major vessels affected for people with heart disease is 0.36.

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