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# WIREFRAME DOCUMENT

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Insurance Premium Prediction

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## Document Version Control

Date	Version	Description	Author
13-01-2023	1.0	First version of wireframe	Siridi Nath

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## **Abstract**

This project represents a machine learning-based health insurance prediction system. Recently, many attempts have been made to solve this problem, as after the Covid-19 pandemic, health insurance has become one of the most prominent areas of research. We have used the USA's medical cost personal dataset from Kaggle, having 1338 entries. Features in the dataset that are used for the prediction of insurance cost include Age, Gender, BMI, Smoking Habit, number of children etc. We used Xgboost regression and determined the relation between price and these features. We trained the system using a 80-20 split and achieved an accuracy of 85%.

## Web Interface

- Our web page is an interface where input is taken from the user according to the perimeter, when the user click on Show result, the prediction is displayed.

app - Streamlit

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### Insurance Predictor

Enter Age

20

Please select gender

female

Enter BMI

20

Please select number of children

0

Please select smoker category

no

Please select region

northeast

Show Result

8286.97 INR