

# Global Temperature Climate Change Time Series Analysis and Forecasting Application

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## *Wireframe Documentation*

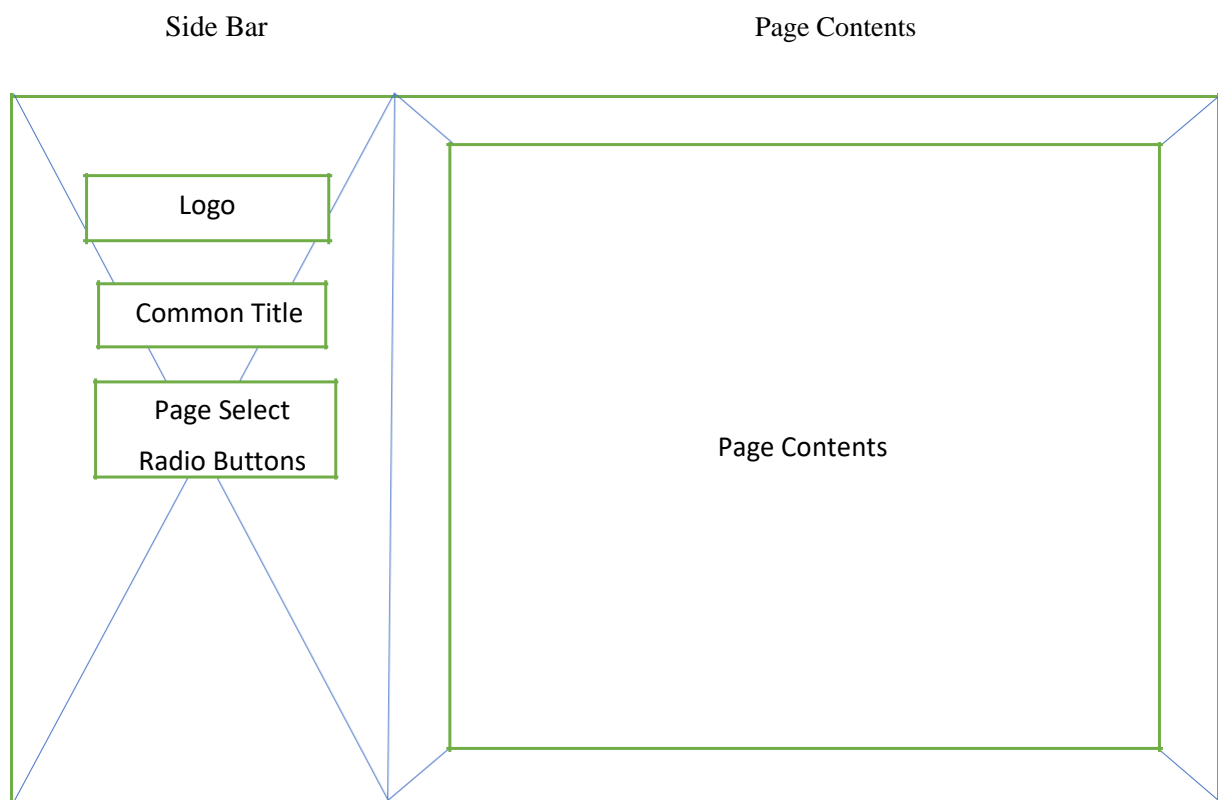
## **Common Application Interface :**

This interface will same for all web pages that are associated.

The side bar will holding same thing even if page switch happens.

Side Bar contains a logo of iNeuron, “Temperature Change Analysis and Forecasting” as title and Page Select Radio Buttons to select web page and switch into that.

Here is how the interface will look like –



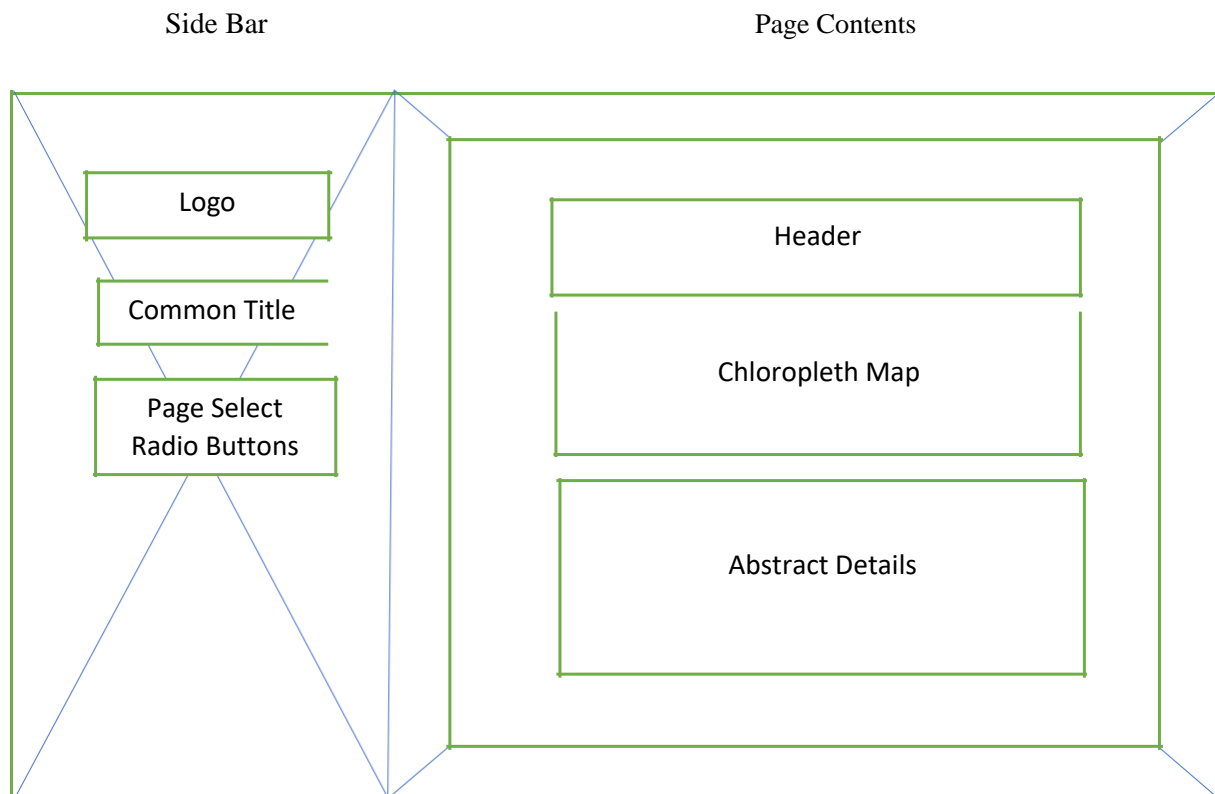
**Page 1 ) Documentation ( Default Page ) :**

This will be the default page shown to user on opened the website.

Except the Side Bar, this page content –

- A heading of the application.
- A World Chloropleth map on average temperatures by countries.
- An abstract about the services provided through the application and how to access those services.

Here is how the interface will look like –



## **Page 2 ) Historical Data and Plotting :**

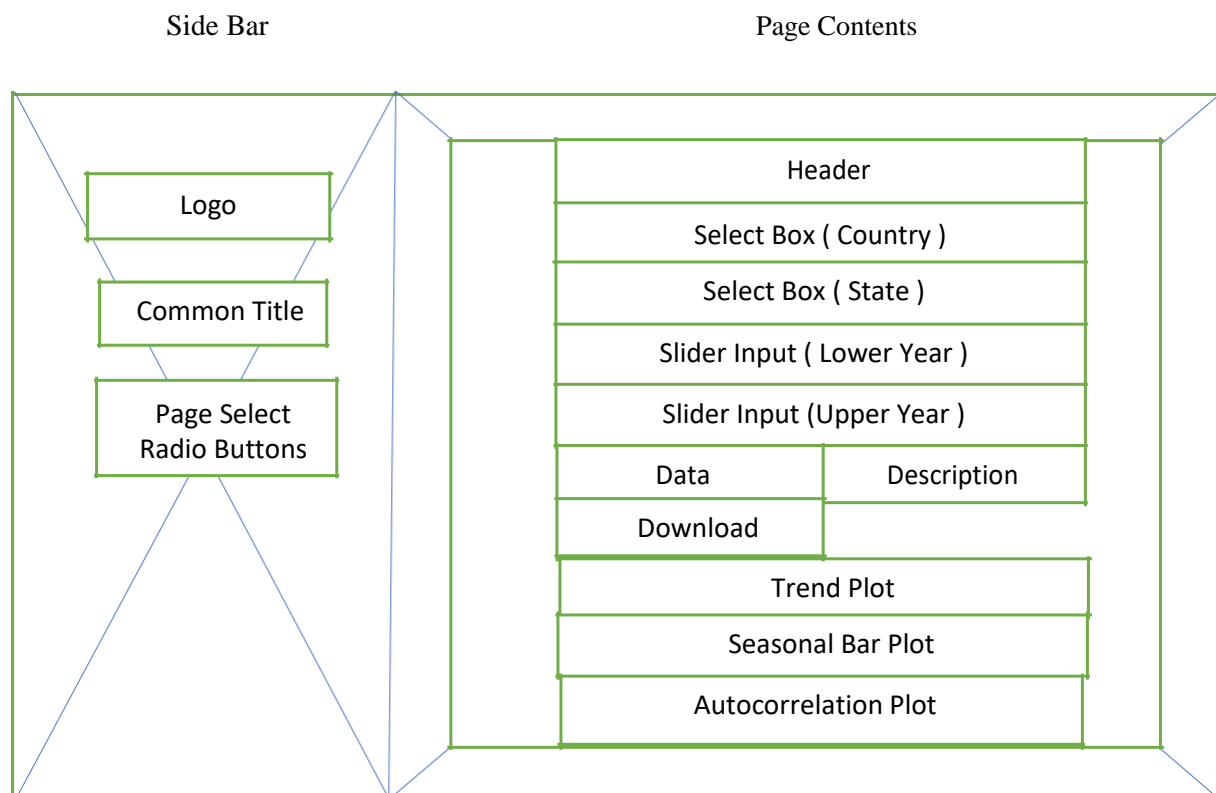
This page will shown to user if user select “Historical Data and Plotting” at the Side Bar Page Select Radio Buttons.

This page will shown data, statistical description and some plots or analysis on Historical Temperature changes.

Except sidebar this page contains –

- A heading of the Page.
- 2 dropdown select box to select Country and State.
- 2 slider type input to control the time or year range. 1<sup>st</sup> slider to set lower year and 2<sup>nd</sup> slider to set upper year value.
- The data of selected Country, State and Year Range along with the statistical description table that contains values like mean, count, min, max, etc.
- A Trend Plot with a slider input to set rolling window size on what the moving average calculated.
- A Seasonal Bar Plot to show a bar plot of average temperatures of every month.
- A Autocorrelation Plot to show autocorrelation of upto 100 lags on given data.

Here is how the interface will look like –



### **Page 3 ) Future Data and Plotting :**

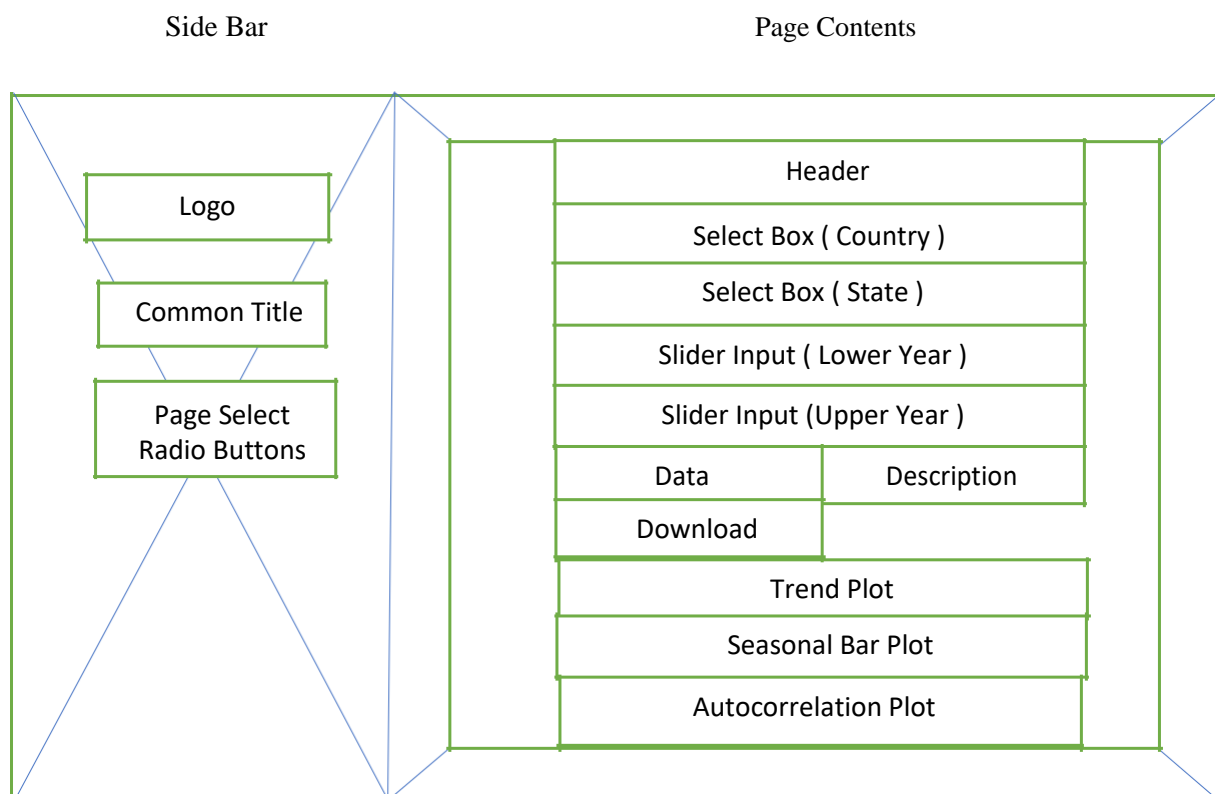
This page will shown to user if user select “Future Data and Plotting” at the Side Bar Page Select Radio Buttons.

This page will shown data, statistical description and some plots or analysis on Future Forecasted Temperature changes.

Except sidebar this page contains –

- A heading of the Page.
- 2 dropdown select box to select Country and State.
- 2 slider type input to control the time or year range. 1<sup>st</sup> slider to set lower year and 2<sup>nd</sup> slider to set upper year value.
- The data of selected Country, State and Year Range along with the statistical description table that contains values like mean, count, min, max, etc.
- A Trend Plot with a slider input to set rolling window size on what the moving average calculated.
- A Seasonal Bar Plot to show a bar plot of average temperatures of every month.
- A Autocorrelation Plot to show autocorrelation of upto 100 lags on given data.

Here is how the interface will look like –



## **Page 4 ) Feedback Us :**

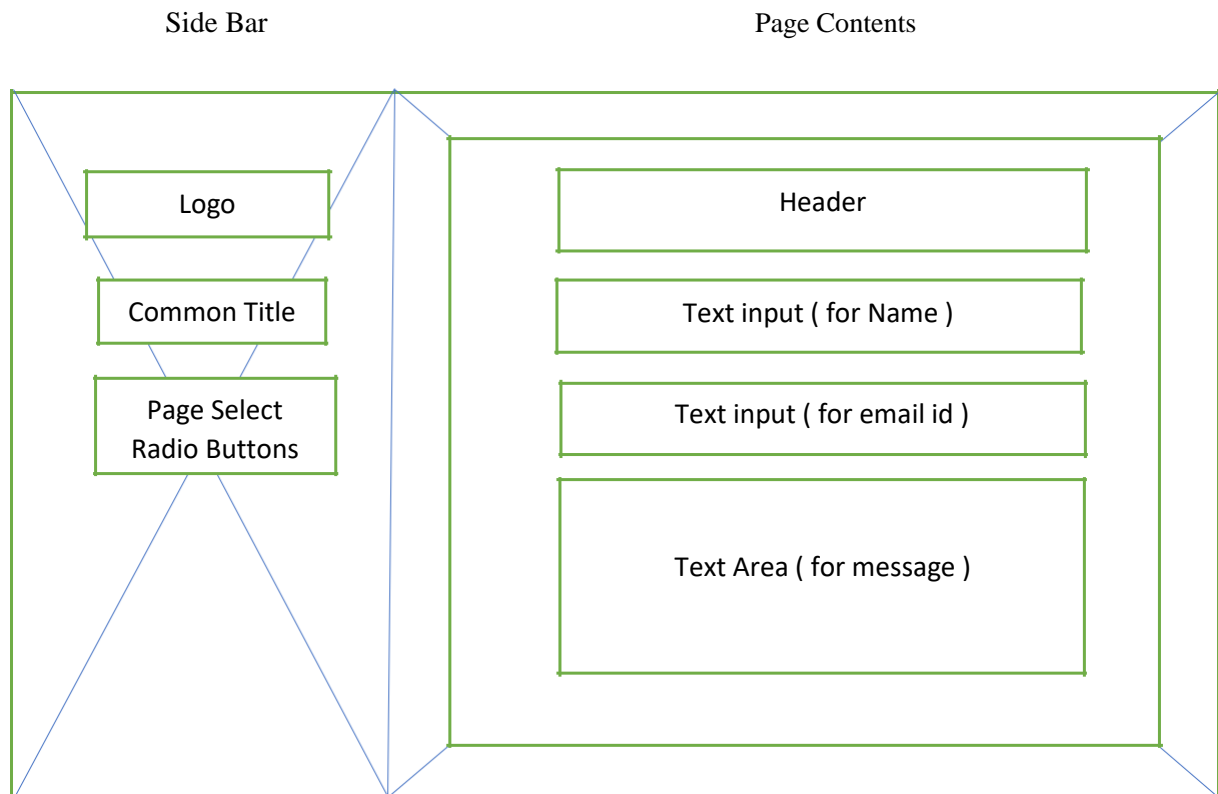
This page will shown to user if user select “Feedback Us” at the Side Bar Page Select Radio Buttons.

This is for communication. User can share feedback or messages to developer through this page.

Except the Side Bar, this page content –

- A heading of the page.
- Text input to take user name.
- Text input to take user email id.
- Text Area input to take message or feedback from user .

Here is how the interface will look like –



## **Page 5 ) About Us :**

This page will shown to user if user select “About Us” at the Side Bar Page Select Radio Buttons.

This page will shown about iNeuron and about developer.

Except the Side Bar, this page content –

- About iNeuron.
- About the Developer

Here is how the interface will look like –

