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2D Floor Designing With JavaScript

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Abstract: *A 2D Floor designing is an architectural scale drawing that shows, from an top view, the positioning of rooms, walls, spaces, and other physical features in a defined area. A 2D floor plan is required during the construction work of a new structure or the renovation work of an existing one. The goal of this work is to do a fast and robust room designing on floor plans. The idea is, that a wide range of non-standardized floor plans can be analyzed, time efficient, with approximate precision. It is the best result out of different approaches that are existing*

Keywords: 2D view, precision, renovation, non-standardized

I. INTRODUCTION

In this web Application there is less shortcut keys are used to operate as compared to other civil drafting software. With this suite of tools, you will be able to produce high quality designs in less time, via the significant
improvements in precision and flexibility while working in 2D drafting. Web application includes the features that designers and engineers need in order to do their best work. The new smart dimensioning feature automatically creates appropriate measurements based on the type of objects you select.
Web application is more streamlined version, web application is both leading design and Engineering software programs. It Offer 2D floor plan and documentation along with multiple number of floor plan drafting, connectivity and customization features.
Web application involves users who use the web to complete required tasks on the website. Web application offer the simple interface for accessing the web facilities over the internet.
This paper adopts systematic literature review (SLR) to study the issues and the solutions related to the Web applications. The main goal of this paper is to gather more information that is related to the Web applications.

1.1 OBJECTIVE AND GOALS

It facilitates faster decision making. It will take less time for creating the 2D floor plans for Civil Engineers. It is a user-friendly application for Civil Engineers. This web application will reduce the Human efforts compared to other Civil Software. This web application can be learnt easily as compared to other Software. Can modify the drafting easily. Finding errors is almost null. Revising and editing drafting can be done quickly with minimum effort. Shorter preparation time for drafting.

II. METHODOLOGY

Our web application developed by using Software HTML, CSS, JAVA SCRIPT.
HTML-HTML software is used for front End of the web application .HTML is the standard markup language for documents designed to be displayed in a web browser. It is Often assisted by technologies such as cascading style sheets (CSS) and scripting languages such as Javascript.
CSS-This language is used for Stylish, Background color, Stroke, Style coloring and layout web pages
For: example, to alter the font, color, size and split into multiple colors add animations.
JAVA SCRIPT –It is a programming language is used for back end is a lightweight, interpreted, or just-in time compiled programming language with first class functions.
JAVA SCRIPT-The source files of Java Script include in this web application are
• Editor
• Engine

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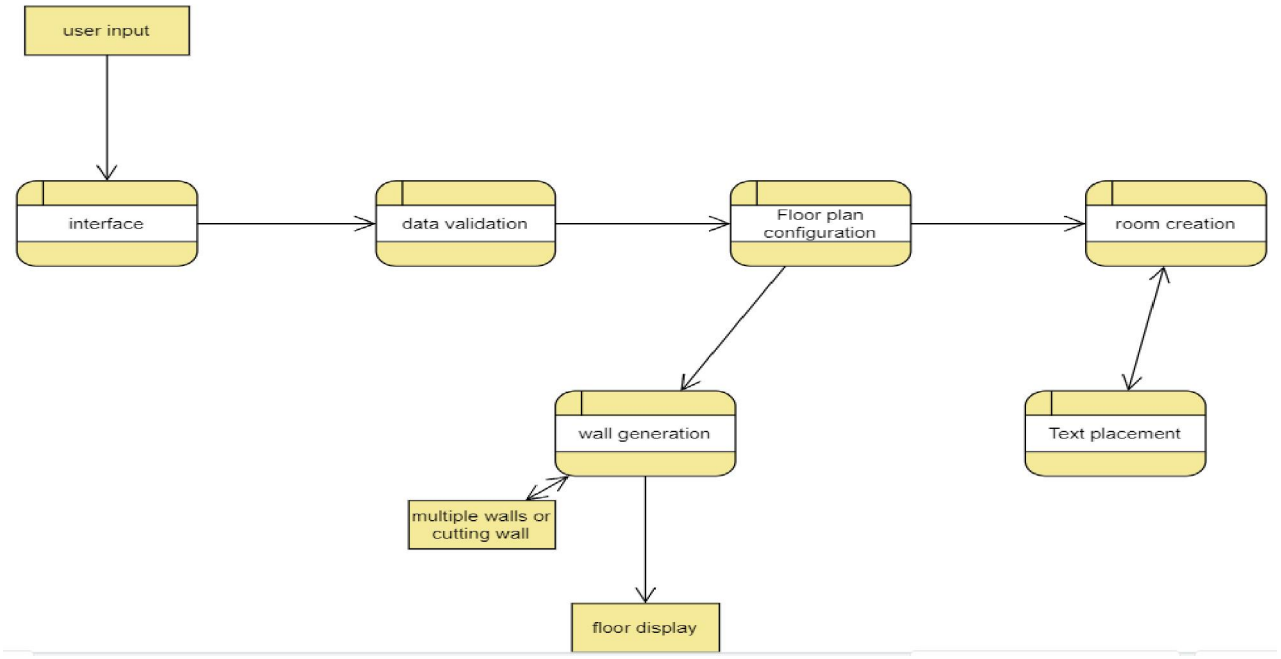
• Function
• Mouse wheel
• Q SVG

Editor: This function is used to edit all the parts, placing, finishing, changing the thickness of wall size, thickness of window.
Function: Creates a new function object. Represent the function that invoked this function.
Example: If we select any object like wall, door, window that will be worked based on function.js
Engine: Is used to maintain the editor.js, function works as a bundling function
Mouse wheel: this function used for zoom it, zoom out selecting the wall, windows.
Q SVG: This function is used for selecting the + icon on front web page of the cursor.

III. DATA FLOW DIAGRAM

A data flow diagram is a graphical representation of the flow of data through an information system. A data flow diagram can also be used for the visualization of the data processing. It is a common practice for a designer to draw a context level DFD. It shows the interaction between the system and the outside entities. This context level DFD, is then exploded to show more detail of the system being modelled. A DFD represents flow of data through a system. Data flow diagrams are commonly used during problem analysis. It views a system as a function that performs the input into the desired output. A DFD shows movement of data through the different transformations or processes in the system. Data Flow diagrams can be used to provide the end users with the physical idea of where the data they input ultimately has an effect upon the structure of whole system from order to dispatch to restock how any system is developed can be determined through data flow diagram. The appropriate register saved in database and maintained by appropriate authorities.



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IV. RESULTS

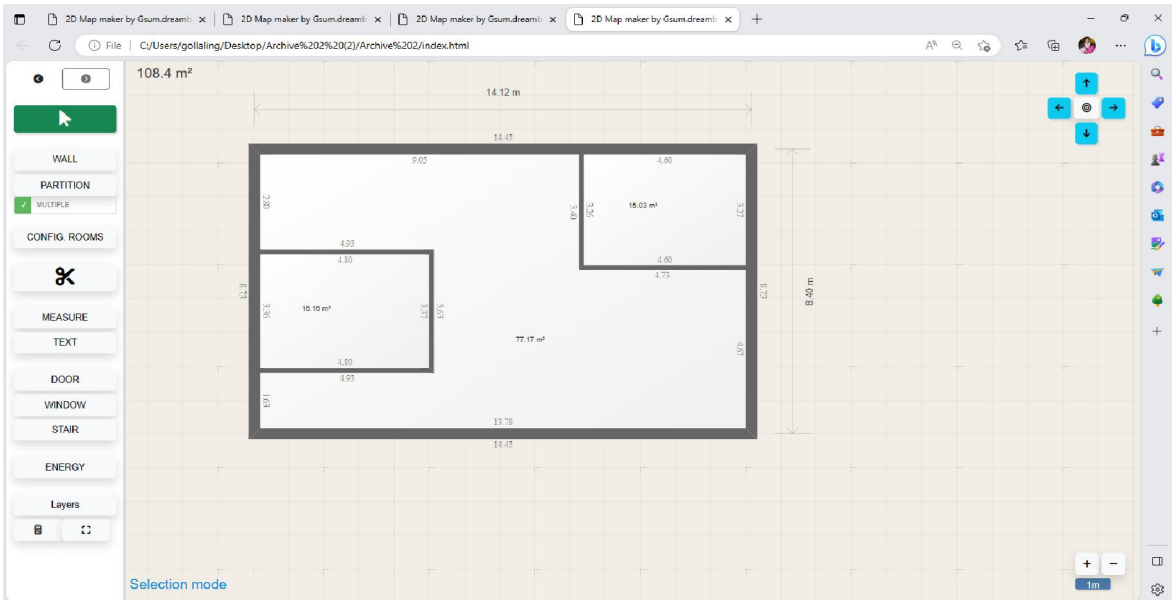

Fig. 1. Wall creation

Fig. 2. Inserting door

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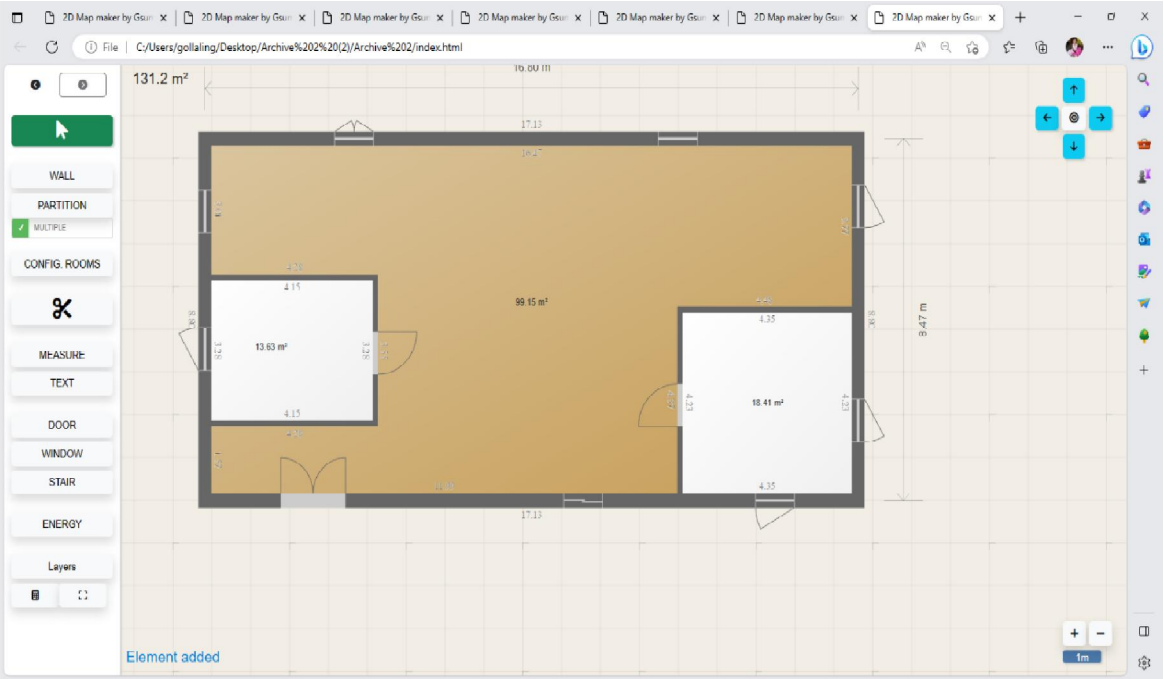

Fig. 3. Inserting windows

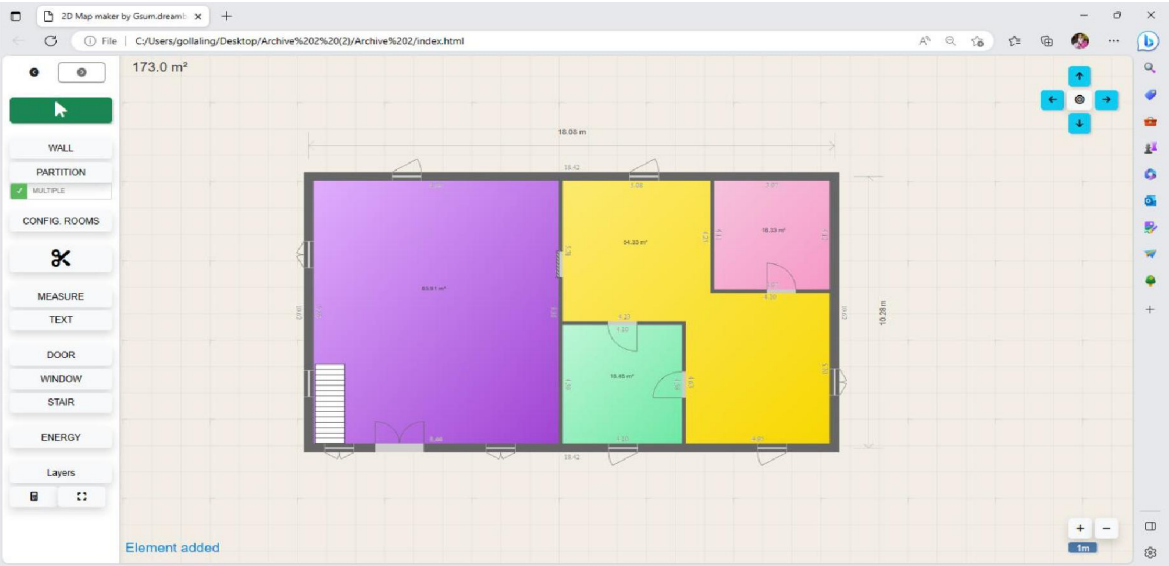

Fig. 4.Final result

REFERENCES

[1]. S.M.MetevandV.P.Veiko,LaserAssistedMicrotechnology,2nded.,R.M.Osgood,Jr.,Ed.Berlin,Germany:Springer-Verlag,1998.

[2]. J. Breckling, Ed., The Analysis of Directional Time Series: Applications to Wind Speed and Direction, ser. Lecture Notes in Statistics. Berlin,Germany:Springer,1989,vol.61.

[3]. S. Zhang, C. Zhu, J. K. O. Sin, and P. K. T. Mok, "A novel ultrathin elevated channel low-temperature poly-SiTFT," IEEE Electron Device Lett., vol. 20, pp.569–571, Nov.1999.

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[4]. M. Wegmuller, J. P. vonder Weid, P. Oberson, and N. Gisin, "High resolution fiber distributed measurements with coherent OFDR," in Proc. ECOC'00, 2000, paper11.3.4, p. 109.

[5]. R.E. Sorace, V. S. Reinhardt, and S. A. Vaughn, "High-speed digital-to-RF converter," U. S. Patent 5 668842, Sept. 16, 1997.