



Arch.Plan Generator Manual Guide

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A-Product Objective

Product Objective



- The main objective was to make a simple DeskTop App that will help users to draw Architectural plans
- This is based on the following client requirements

Project Details:

You are required to develop a simple desktop application that will be used to draw very basic architectural floor plans. The following user stories should be available:

User Story (1):

As I user, I can left-click anywhere within the designated drawing space to draw lines. These lines represent walls of a floor plan.

Testing Criteria:

- 1- Left click on drawing space to start drawing a wall line,
- 2- Line gradually gets created as I move my cursor left or right. Note: movement can only be in the direction of the x & y axis (orthogonal lines only),
- 3- Once I have reached the desired length for my wall line, I left-click again to stop drawing set line.
- 4- If I left click again, a new line gets initiated and points 2&3 are then to follow.

User Story (2):

As a user if I click on any point along a wall line, a door gets created.

Testing Criteria:

- 1- Left-click on wall line, a door symbol is placed at that point.

User Story (3):

As a user if I click on a door, the door is changed to a window.

Testing Criteria:

- 1- Left-click on a door, the door symbol is changed to a window symbol.

User Story (4):

As a user, I can delete any component created. (i.e.: wall line, door, window)

B-Technologies Used

Technologies USed



- This DeskTop Application was Built using the Following Technologies
 - FrameWork used:
 - .Net Entity FrameWork 4.8
 - User Environment:
 - Windows Presentation Foundation (WPF)
 - Other 3rd Parties:
 - No third parties softwares were used

D-How To Use The Product

How To User The Product

Arch.Plan Elibry Generator

Canvas Options

Change Display Mode

☐ Drak/Light

Line Thickness

Choose Wall Colors

Choose Doors Colors

Choose Windows Colors

Clear All

elibre

Drawing Canvas

Geometrical Data

Wall Symbol

No Of Walls Created: 0

Door Symbol:

No Of Doors Created: 0

Window Symbol:

No Of Windows Created: 0

If You want to Delete any element
any of the previous elements
just hover on this element
and press Delete.

Product User Interface

How To Use The Product



- **The User interface Consists of three main sections**
 - **Canvas Options**
 - **Contains the Options that will help the user throughout the drawing process such as**
 - **Change Display mode into light or dark**
 - **Change elements thickness**
 - **Change elements colors**
 - **Clear all the Canvas area**
 - **Drawing Canvas**
 - **Where our elements is created**
 - **Geometrical Data**
 - **This section contains data about all the elements created in the Canvas**

How To Use The Product

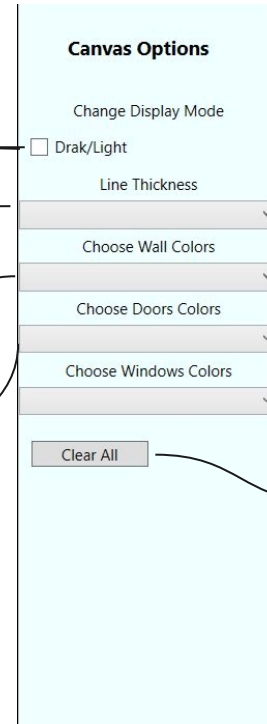
- Canvas Options

Change display from light to dark and vice-versa

Change Line thickness

Choose colors for the drawn walls in the canvas
This options would give the user an option to assign more than one color to any wall

Choose colors for the drawn Doors in the canvas
This options would give the user an option to assign more than one color to any Door



The image shows a vertical menu titled "Canvas Options" with a light blue background. It contains several items: "Change Display Mode" with a checkbox labeled "Dark/Light", "Line Thickness" with a dropdown arrow, "Choose Wall Colors" with a dropdown arrow, "Choose Doors Colors" with a dropdown arrow, "Choose Windows Colors" with a dropdown arrow, and a "Clear All" button at the bottom.

Choose colors for the drawn Doors in the canvas

This options would give the user an option to assign more than one color to any Door

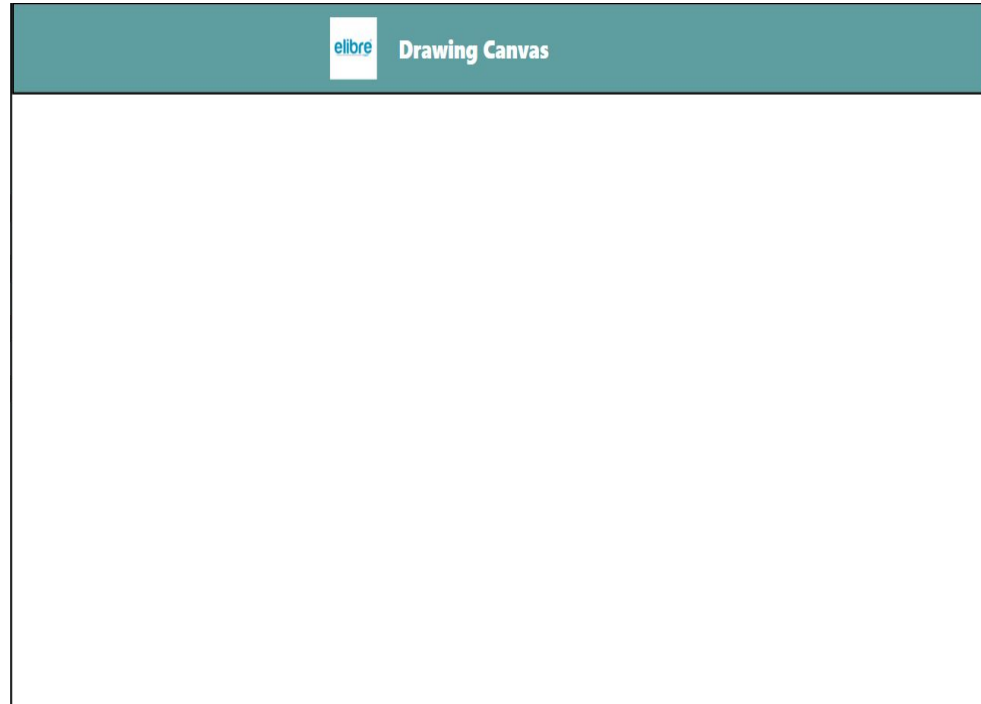
Clear all the Canvas Area

How To Use The Product



- **Canvas Drawing Area**

- In order to replace any walls with door
 - make sure that the mouse points on the Wall
- In order to replace Doors With Window
 - make sure that the mouse points on the Door edges
- if you need to delete any element
 - just hover on this element and press the delete button



How To Use The Product

- Geometrical Data Section

Display Number of Created Windows

Tell the user how to delete an element

Geometrical Data

Wall Symbol

No Of Walls Created: 0

Door Symbol:

No Of Doors Created: 0

Window Symbol:

No Of Windows Created: 0

If You want to Delete any element
any of the previous elements
just hover on this element
and press Delete.

Display Number of
Created Walls

Display Number of Created
Doors

E- The End
