Vector Graphics and Structure Diagram Software

## Team members:

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## Description:

An easy to use and elaborated as much as we will be able to do tool for creating vector diagrams and images.

It will have the shape options, the shape connections options and the coloring options (Plan A). We will try to make sure to have at least 3 shapes and as many as possible colors. If we will have time we will add additional shapes and colors (Plan B). If we will be able to and we will have time to, we plan to make an option for populating he shapes with text (Plan C) and an option of creating graphics based on data (this is a plan D).

It will be useful for basic visualization of a planned structure.

For now, we plan to have the option of UML diagrams and Network Diagrams, if we will be able we will add more.

## List of technologies, libraries, components used (bullet points):

* .NET,
* C#,
* WPF,
* MindFusion.Diagramming.Wpf – for the diagrams,
* SVG Rendering Library for export and import in SVG format,
* Some additional libraries or NUGETs may be added further.
* Xml format for files (how to design the XML format).
* Themes: WPFToolkit

## Database structure - screenshot or hand drawing (UML diagrams with relations)

n/a for now.

## Screenshots of all the meaningful windows (next page):

The final will be more elaborated then the following screen shots. It is just for basic reference.

The top with the color picker is the tool box.

On the right side will be the panels with the choices of forms and connectors.

The left side is not yet decided.

We will have another window at opening that will give the choice of few diagrams types.



