

# **User Manual**

**for**

# **Building A Modern Mindmap Interface**

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# Introduction

A mind map is a diagram that connects data around a central subject. Mind map is used for just about any thinking or learning tasks, such as: create a summary, set goals, solve problems, brainstorming or interactive presentations.

This product provides tools for users to build the mind maps, so that users have a more effective way to improve their learning skills. The goal is to focus on building an interface that allows users can creatively create and organize information into their own unique map and enhance their memory.

## Overall Description

### 1. Product Perspective

This product will be its own self-contained product and works as a web application. While a product was developed by students in a previous year, this product will not be an attempt to replicate or build on that product, but to develop a new product altogether. The main focus to to build the product's interface with modern frontend development techniques.

### 2. User Classes and Characteristics

Users may range from working professionals using mind maps for planning or presentation to students using mind maps for planning of essays or projects. Security and privilege levels will not vary in these cases but professionals with more experience and higher education levels may need the maps to allow more robust details and larger trees while ease of use and learning may be most important for students, especially those at lower education levels who may be less familiar with mind maps in general.

### 3. Operating Environment Requirement

The software will be provided on any javascript based browser such as firefox, or chrome.

No hardware platform is required since the product will be based on a website.

The website should at least compatible with ES5 version of javascript.

## Function Description

- New Map: Clean out the current map and create a blank map with one node as a main topic in the center.
- Add node name: Change the currently selected node name. Node name will appear in the center of the node.
- Add Description: Add or modify the selected node's description. Description will also be shown in the description box, which is on the left side. Description can also be added or modified within the description box by directly type in words.
- Delete node: To delete the selected node out of the current map.
- Change color: A color picker allows users to set node color. Each node can have different color.
- New node:
  - Add node left: New node will be added to the left of the selected node.
  - Add node right: New node will be added to the right of the selected node.
- Mode node:
  - Move node left: The whole branch that connected to the selected node will be moved to the left side of the main topic node.
  - Move node right: The whole branch that connected to the selected node will be moved to the right side of the main topic node.
- Edges style:
  - Diagonal connector: Change the edges style to curly line.
  - Elbow connector: Change the edges style to straight line.
- Node shape:
  - Change circle: The node will hold a circle shape
  - Change rectangle: The node will hold a rectangle shape
  - Change Ellipse: The node will hold an ellipse shape

