

REQUIREMENTS

System Properties

Operating System

Windows 7 and later are supported, older operating systems are not supported (and do not work). Both x86 and amd64 (x64) binaries are provided for Windows.

Please note, the ARM version of Windows is not supported for now.

Linux is supported following are guaranteed to work:

Ubuntu 12.04 and later, Fedora 21, Debian 8

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Hardware

for Windows An Intel Pentium 4 processor or later that's SSE2 capable
512 MB of RAM

for Linux An Intel Pentium 4 processor or later that's SSE2 capable

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Functional Specifications

The user shall be able to discover how to use the application from the "Usage" section, customize the theme, animation speed, and change which modules will be used in algorithms under the "Options" section. With a click on "Custom Code" section, the system enables the user to write, save, run and visualize her own code. Saved codes can be seen on the left hidden bar by click on the darkest left-hand side of the frame. To save a code the user shall click on the plus symbol, enter a project name in the box enabled by the system, then the window is closed and the focus is returned to the page in the state it was in before this window was displayed. In order to rename or delete a saved code, the user shall click on three points next to the name of the code. The user shall be able to indicate the algorithm type, a starting vertex, and their algorithm's pseudocode from the right hidden bar, which can be opened by a click on the darkest right-hand side of the frame. Buttons below the bar shall run and visualize the program as they are labeled. The user shall choose various types of algorithms later to be visualized after clicking on the "Algorithms" section.

Non-functional Specifications

The system shall be compatible with (???????) effectiveness (visual learning), modularity, predictability, reliability, repeatability, safety, understandable,

Stakeholder Identification: intermediate programmers