

Graphical User Interface for Floor Plan Visualization at Allegheny College

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Solution Solution

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Approach

Graphical User Interface for Floor Plan Visualization at Allegheny College

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November 20, 2017



Current Availability

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Motivation

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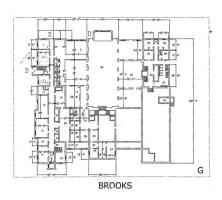
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- Current Availability
- Data and information Visualization





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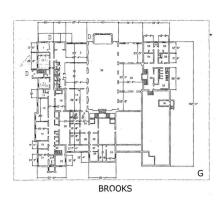
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Current Availability

- Data and information Visualization
- Branding





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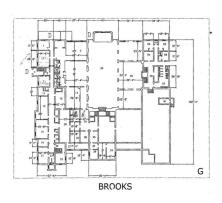
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Current Availability

- Data and information
 Visualization
- Branding
 - New Applications





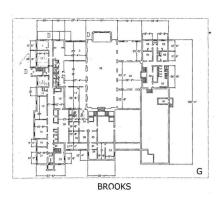
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Related Work

- Current Availability
- Data and information
 Visualization
- Branding
 - New Applications
 - Retention





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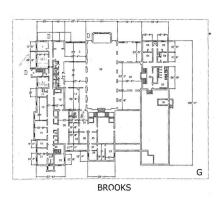
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- Current Availability
- Data and information Visualization
- Branding
 - New Applications
 - Retention
- Rooming Information





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Graphical User Interface

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• Graphical User Interface

Interactivity



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• Graphical User Interface

- Interactivity
- SVG 2D floor plans



Graphical User Interface for Floor Plan Visualization at Allegheny College

- Graphical User Interface
 - Interactivity
 - SVG 2D floor plans
 - Goals

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Interactivity

• Interactivi

SVG 2D floor plans

• Graphical User Interface

Goals

CLARITY and VISIBILITY



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Interactivity

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CLARITY and VISIBILITY

Graphical User Interface

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• Display relevant information



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Graphical User Interface

- Interactivity
- SVG 2D floor plans
- Goals
 - CLARITY and VISIBILITY
 - Display relevant information
 - Useful to different offices



Paid Programs

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Paid Programs

Campus Bird http://map. allegheny.edu/





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• Paid Programs

Campus Bird http://map. allegheny.edu/

nuCloud





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• Paid Programs

- Campus Bird http://map. allegheny.edu/
- nuCloud
- SVG country maps





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- Paid Programs
 - Campus Bird http://map. allegheny.edu/
 - nuCloud
- SVG country maps
- University Created Floor Plans





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- Campus Bird http://map. allegheny.edu/
- nuCloud
- SVG country maps
- University Created Floor Plans
 - Case Western





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• Paid Programs

- Campus Bird http://map. allegheny.edu/
- nuCloud
- SVG country maps
- University Created Floor Plans
 - Case Western
 - Rochester Institute of Technology





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Convert current Floorplans to SVG graphics

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Convert current Floorplans to SVG graphics

Adobe Illustrator



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- Adobe Illustrator
- InkScape



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- Adobe Illustrator
- InkScape
- SVG code editing



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- Adobe Illustrator
- InkScape
- SVG code editing
- Adding Interactivity



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- Adobe Illustrator
- InkScape
- SVG code editing
- Adding Interactivity
 - JavaScript



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- Adobe Illustrator
- InkScape
- SVG code editing
- Adding Interactivity
 - JavaScript
 - HTML



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- Adobe Illustrator
- InkScape
- SVG code editing
- Adding Interactivity
 - JavaScript
 - HTML
- Displaying all information in a fluid way