



Graphical User
Interface for
Floor Plan
Visualization
at Allegheny
College

CeCe Colón

Motivation

Solution

Solution

Related Work

Approach

Graphical User Interface for Floor Plan Visualization at Allegheny College

CeCe Colón

November 20, 2017



Motivation

Graphical User
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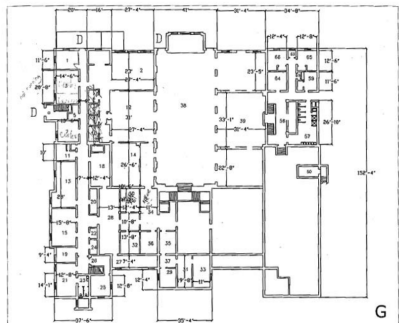
Solution

Solution

Related Work

Approach

- Current Availability



BROOKS



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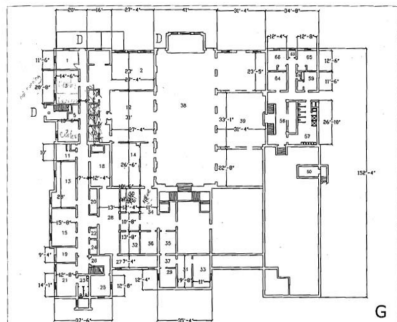
Solution

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Related Work

Approach

- Current Availability
- Data and information Visualization



BROOKS



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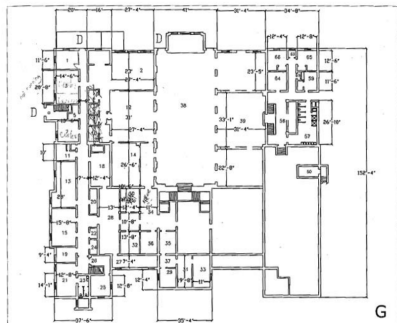
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Related Work

Approach

- Current Availability
- Data and information Visualization
- Branding



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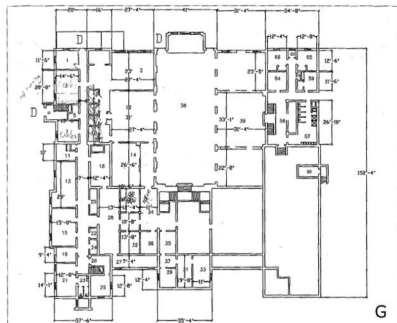
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Related Work

Approach

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



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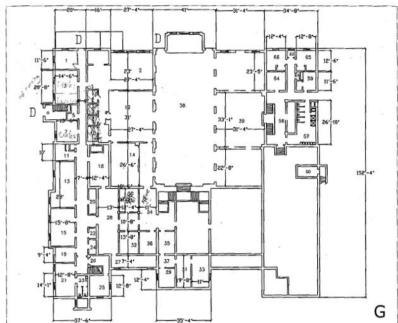
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Related Work

Approach

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



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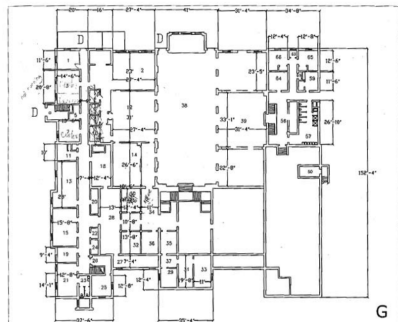
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Related Work

Approach

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



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Related Work

Approach

- Graphical User Interface



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Related Work

Approach

- Graphical User Interface
- Interactivity



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Related Work

Approach

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



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Related Work

Approach

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



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Related Work

Approach

- Graphical User Interface
- Interactivity
- SVG 2D floor plans
- Goals
 - CLARITY and VISIBILITY



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Related Work

Approach

- Graphical User Interface
- Interactivity
- SVG 2D floor plans
- Goals
 - CLARITY and VISIBILITY
 - Display relevant information



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Approach

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



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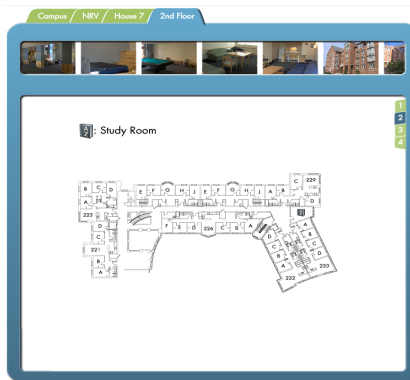
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Related Work

Approach

- Paid Programs





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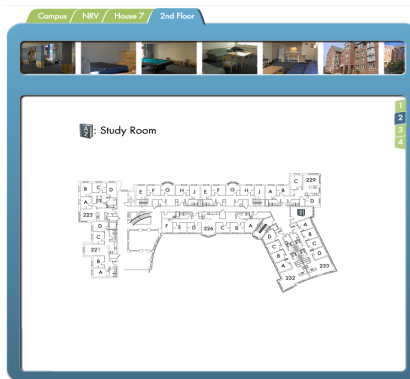
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Related Work

Approach

- Paid Programs
 - Campus Bird
<http://map.allegheny.edu/>





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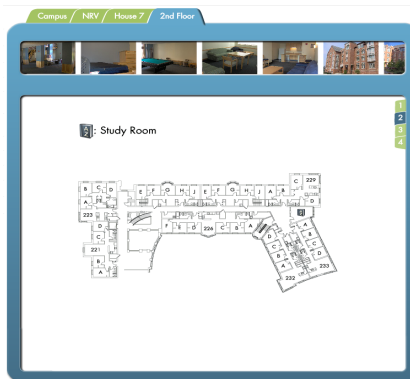
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 - nuCloud





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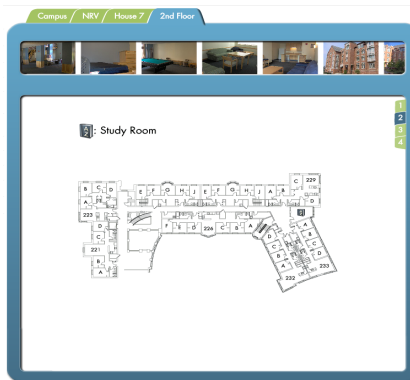
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- Paid Programs
 - Campus Bird
<http://map.allegheny.edu/>
 - nuCloud
- SVG country maps





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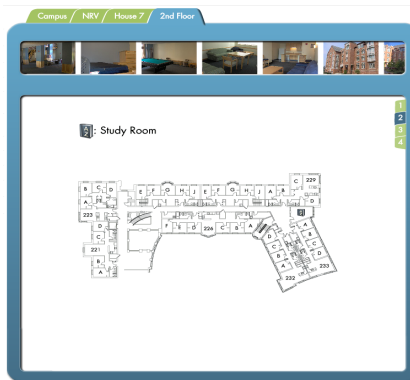
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- Paid Programs
 - Campus Bird
<http://map.allegheny.edu/>
 - nuCloud
- SVG country maps
- University Created Floor Plans





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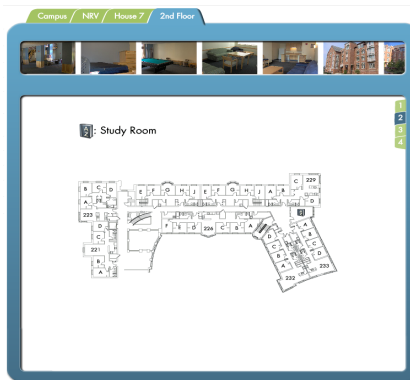
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- Paid Programs
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<http://map.allegheny.edu/>
 - nuCloud
- SVG country maps
- University Created Floor Plans
 - **Case Western**





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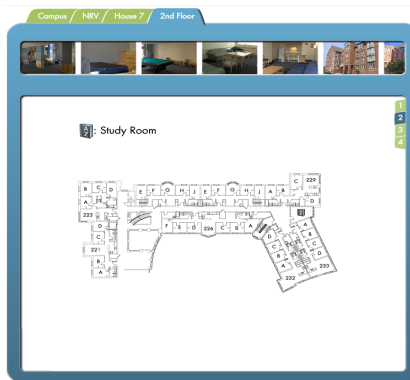
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- University Created Floor Plans
 - **Case Western**
 - Rochester Institute of Technology





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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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- Convert current Floorplans to SVG graphics
 - Adobe Illustrator
 - Inkscape



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- Convert current Floorplans to SVG graphics
 - Adobe Illustrator
 - Inkscape
- SVG code editing



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 - Adobe Illustrator
 - Inkscape
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- Adding Interactivity



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- Adding Interactivity
 - JavaScript



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- Adding Interactivity
 - JavaScript
 - HTML



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- Convert current Floorplans to SVG graphics
 - Adobe Illustrator
 - Inkscape
- SVG code editing
- Adding Interactivity
 - JavaScript
 - HTML
- Displaying all information in a fluid way