MICHIGAN STATE UNIVERSITY Project Plan Presentation Digital Playbill Builder The Capstone Experience

Team Ludus

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From Students... ...to Professionals

Project Sponsor Overview

- Saas for Performing Arts Organizations
- Kevin Schneider and Zachary Collins
- Founded in 2016
- Ticketing, Marketing, Fundraising, Collections

OLudus



Project Functional Specifications

- Developed for performing arts organizations
- Replacement for development and distribution of paper playbills
- Drag and drop graphic design tool
- Publish playbills on the web
- Performance attendees access playbills digitally

Project Design Specifications

- Flexible web-app with an easy-to-use interface
- Dashboard to manage projects, advertisements, and branding
- Pre-made templates and blocks allow for quick creation of playbills
- Simple publishing and sharing to an audience for a seamless experience

Screen Mockup: Dashboard





Screen Mockup: Ad Space Manager

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Lucius Playbill Builder			+ New Pleybell
	Advertisement Manager		* New Att Space
Gotham City Theatre +	Boosters Ad Space	Playbills using this Ad Space	
Projects		Wizard Of Oz 2024 Edited 1/21/2 Wizard Of Oz 2024 Edited 1/21/2	
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	Current Advertisement Shown Change		
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	Current Advertisement Shown Change	Wizard Of Oz 2024 Edited 1/21/2	4 View
	Misc. Ad Space	Playbills using this Ad Space	
• Invite Members		Wizard Of Oz 2024 Edited 1/21/2 Wizard Of Oz 2024 Edited 1/21/2	
		Wizard Of Oz 2024 Edited 1/21/3	4 View

Team Ludus Project Plan Presentation

Screen Mockup: Brand Manager



Screen Mockup: Builder

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T Text			Enter Name of Hank	
.s brand				

Screen Mockup: Cast Member



Screen Mockup: Donation



Project Technical Specifications

- Front End:
 - HTML (HTML 5 Canvas) & CSS & JavaScript, Laravel
- Back End:
 - PHP Laravel Framework
 - MYSQL
- Containerization via Docker
- Integration and Testing
 - Unit Test & Behavior-Driven Development Test

Project System Architecture



Project System Components

- Hardware Platforms
 - Nginx + Linux for deployment
- Software Platforms / Technologies
 - Visual Studio Code for development
 - Docker to build and deploy
 - GitLab and GitHub for version control

Project Risks

- Uploading and Storing Media
 - Users can upload photos, videos, and GIFs to add to their projects
 - Practice uploading and retrieving different media formats
- Publishing Playbills
 - Dynamically publishing playbills to a unique URL and allowing edits
 - Research how websites implement page publishing
- Dashboard Display
 - Displaying users' project files and folders on their main dashboard
 - Creating a mock file management system
- Cast List Editor
 - Creating forms from a cast list to allow cast members to add their own profile information
 - Create a mock cast list and generate matching forms

Questions?

