Project Plan Presentation
Digital Playbill Builder

The Capstone Experience

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Project Sponsor Overview

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

Ludus
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
Screen Mockup: Brand Manager
Screen Mockup: Builder
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?