**Slide Show Creator**

**Software Development Plan**

1. **Project Overview**

The purpose of this project is to create a program that will allow a user to create a slide show from a specified directory of JPEG images. Major features will include the ability to set the order of the slides, the timing and types of transitions, syncing of audio files to specific times during the presentation of the slides, and the ability to save a file with the details of the slideshow for later execution. User interaction with the program will be through a GUI. Major features of the GUI include thumbnails of JPEG images for selection, and a graphical representation of the timing of audio files relative to slide transitions.

In addition to the slide show creator, a separate run-time application will be created to open and execute the saved slide show presentation file. Features of this separate application shall include standard features such as the ability to pause, play, or manually transition forward and backwards through the presentation.

These applications will be multi-platform specifically with the ability to operate on Windows 7 or later, Macintosh OS X, or a linux system. Due to the graphical nature of the program, multi-platform requirement, and object-oriented design being well-suited for the requirements Java will be the language of choice for implementation.

1. **Project Schedule**

|  |  |
| --- | --- |
| **Figure 2.1 Sprint Schedule** | |
| **Dates** | **Milestones** |
| Sprint 1  January 11th - February 1st | Basic GUI skeleton, **SDP complete and presentation**, target a couple of critical features (file architecture and saves)? |
| Sprint 2  February 1st - February 20th | **Presentation of Backlog**, Begin work on slide show player, Begin work on timing display, get thumbnails to work |
| Sprint 3  February 20th - March 8th | **Presentation of Architectural Design and Backlog Updates**, |
| Sprint 4  March 8th - April 3rd | **Presentation of preliminary GUI** |
| Sprint 5  April 3rd - April 24th | **Presentation of completed product** |

1. **List of Deliverables**

**3.1 Software Development Plan**

Estimated Delivery Date -

**3.2 SDP Presentation Slides**

Estimated Delivery Date -

**3.3 First Draft of Backlog**

Estimated Delivery Date -

**3.4 Backlog Presentation Slides**

Estimated Delivery Date -

**3.5 Architectural Design Document**

Estimated Delivery Date -

**3.6 Architectural Design Presentation Slides**

Estimated Delivery Date -

**3.7 Preliminary GUI**

Estimated Delivery Date -

**3.8 Preliminary GUI Presentation Slides**

Estimated Delivery Date -

**3.9 Beta Release**

Estimated Delivery Date -

**3.10 Final Product**

Estimated Delivery Date -

**3.11 Final Product Presentation**

Estimated Delivery Date -

1. **List of Milestones**

**4.1 Software Development Plan**

**4.2 SDP Presentation Slides**

**4.3 First Draft of Backlog**

**4.4 Backlog Presentation Slides**

**4.5 Slide Show Creator GUI Skeleton**

**4.6 Thumbnail Feature**

**4.7 Audio Sync Feature**

**4.8 Architectural Design Document**

**4.9 Architectural Design Presentation Slides**

**4.10 Slide Show Viewer GUI Skeleton**

**4.11 Preliminary GUI**

**4.12 Preliminary GUI Presentation Slides**

**4.13 Beta Release**

**4.14 Final Product**

**4.15 Final Product Presentation**

1. **Personnel**

|  |  |
| --- | --- |
| **Figure 5.1 Personnel Chart** | |
| **Team Member** | **Roles** |
| Dailey, Emily |  |
| Johnston, Bryce |  |
| Parsons, William |  |
| Yu, Jinke |  |

1. **Risk Management Plan**