**Capstone**

**Learning**

**Contract**

**For**

**My Project**

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# Capstone Project Overview

*The project is an MP3 Player application with multiple pages, utilizing Windows Presentation Foundation (WPF) technology. It aims to streamline music playback and user interaction.****Topic:*** *Development of an MP3 Player.****Team interest:*** *Exploring WPF capabilities and enhancing user experience.****Stuff team can do when team know this:****. (WPF) is a UI framework for building visually impressive Windows desktop applications. WPF offers several benefits, including Rich Graphics Support, Resolution Independence, Flexible Styling and Skinning, Data Binding.*

# Capstone Requirements

*The team needs to study advanced WPF techniques and user interface design principles.****What team need to study / read:*** *WPF documentation, user interface design best practices.****What team need to do / build:*** *Construct an MP3 Player application with a user-friendly interface and robust features.*

# Capstone Documents

*Includes System Design, Testing, and Usage (User Manual), comprehensive documentation on requirements, a requirements list. Also documented are project tasks assigned to team members with weekly status reporting, which includes a graphic representation (e.g., Gantt chart).*

# Capstone Milestone

***Project Overview and Task Drafting:*** *Provide a detailed description of the project and an initial list of tasks, complete with estimates. This information should be sufficient for team members to begin their research or initial design work.*

***Weekly Progress Reports:*** *Each team member must submit a weekly report, updating on their tasks, estimated progress, and completion percentage. Use the "Weekly Status Report" template for this purpose. These reports collectively reflect the team's overall progress.*

***Midterm Checkpoint:***

* ***Presentation:*** *Update on project status, showcasing current requirements, design, and any prototype or working system.*
* ***Documentation and System Files:*** *Deliver all related documentation for this phase and system files.*
* ***Review of Weekly Reports:*** *Assess all previous weekly reports for accuracy and improvement, demonstrating the progress leading to the midterm presentation.*

***Final Submission:***

* ***Final Presentation:*** *Explain the system's functionalities and demonstrate it live or through screenshots.*
* ***Complete Documentation and System Files:*** *Submit all related documentation and system files.*
* ***Comprehensive Review of Weekly Reports:*** *Analyze all weekly reports for accuracy and improvements, highlighting the journey towards the final project status.*
* ***Capstone Course Deadlines and Requirements:***
* ***Capstone Plan Submission:*** *January 14, 2024.*
* ***Weekly Reports:*** *Due on specific dates from January 19 to April 12, 2024.*
* ***Phase Presentations:*** *Four phases, from February 2 to April 17, 2024.*

***Presentation Guidelines:***

* ***Participation:*** *All team members must participate.*
* ***Format:*** *Presentations may be recorded.*
* ***Duration:*** *Limit each presentation to 15 minutes.*

# Progress

*Provide whatever level of detail makes sense. Note the paragraph numbering, and stay in the 1.x paragraphs for Requirements, if you wish.*

# Milestone 1 Completed:

***To be detailed by February 9, 2024:*** *Summary of what I did for Milestone 1*

# Sub-Paragraphs

*Again, break down the subparagraphs in a way that makes sense. Include diagrams and tables as needed.*

# Milestone 2 Completed:

***To be detailed by March 1, 2024:*** *Summary of what I did for Milestone 2*

# Sub-Paragraphs

*Again, break down the subparagraphs in a way that makes sense. Include diagrams and tables as needed.*

# Milestone 3 Completed:

***To be detailed by March 22, 2024:*** *Summary of what I did for Milestone 3*

# Sub-Paragraphs

*Again, break down the subparagraphs in a way that makes sense. Include diagrams and tables as needed.*

# Milestone 4 Completed:

***To be detailed by April 12, 2024:*** *Summary of what I did for Milestone 4*

# Sub-Paragraphs

*Again, break down the subparagraphs in a way that makes sense. Include diagrams and tables as needed.*

# Demonstration Paragraphs

*This section will showcase the results of the project. To be completed as part of the Final Phase Presentation on April 17, 2024.*

# Requirements Traceability

*This section will include code snippets, GUI snippets, and other relevant materials to demonstrate how the project requirements have been met. This will be organized to provide clarity and reduce clutter in the main document. Detailed content will be added following the completion of the Final Delivery on April 17, 2024.*