**Capstone Weekly Project Summary**

Keep your total weekly project summary to a single double-sided printed page.

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| Week 1 | Project Status: N/A (initial meeting) |
| Tasks Completed/New Functionality | * Simple bullets describing completed tasks go here * More tasks… |
| Comments | A sentence or two describing additional activities, success, setbacks, or learning |

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| Week 2 | Project Status: Green |
| Tasks Completed/New Functionality | * Complete Midi file interpreter * Research for Machine Learning * Idea for how to use Machine Learning in the application. |
| Comments |  |

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| Week 3 | Project Status: Yellow |
| Tasks Completed/New Functionality | * Created way to compare notes both in a vertical manner as well as horizontal. * Completed scale detector |
| Comments |  |

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| Week 4 | Project Status: Red |
| Tasks Completed/New Functionality | * Progression on MIDI note duration |
| Comments |  |

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| Week 5 | Project Status: Red |
| Tasks Completed/New Functionality | * Completed finding duration of Midi Note * Linear regression, machine learning algorithm to determine era. * Created list of variables (BPM, count of notes, etc.) that be used in linear regression. |
| Comments |  |

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| Week 6 | Project Status: Red |
| Tasks Completed/New Functionality | * Midi File Data Centralization * Research on Linear Regression |
| Comments |  |

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| Week 7 | Project Status: Red |
| Tasks Completed/New Functionality | * Decided to use clustering algoritm * Made algoritm for predicting era |
| Comments |  |

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| Week 8 | Project Status: Red |
| Tasks Completed/New Functionality | * Finished Clustering Algorithm * Found Solution to Determine Number of Clusters in a Set |
| Comments |  |

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| Week 9 | Project Status: Red |
| Tasks Completed/New Functionality | * Clustering Algorithm Working |
| Comments |  |

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| Week 10 | Project Status: N/A (presentation week) |
| Tasks Completed/New Functionality |  |
| Comments |  |