**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 |  |
| Comments |  |

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| Week 2 | Project Status: Green |
| Tasks Completed/New Functionality | * Created an application that can tell the difference between red and blue * Application gives the percentage values of it being a certain color |
| Comments |  |

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| Week 3 | Project Status: Red |
| Tasks Completed/New Functionality | * Chose 5 artists to distinguish * Developed code that will get the average color of a bitmap * Chose sample images on each artist * Created GUI that will allow users to upload images into the application |
| Comments |  |

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| Week 4 | Project Status: Yellow |
| Tasks Completed/New Functionality | * Completed measurement and comparison on dimensions * Created a GUI to display results from comparisons * Wrote method that gets the frequency of a color occurring |
| Comments |  |

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| Week 5 | Project Status: Red |
| Tasks Completed/New Functionality | * Sped up process by which colors are added to the dictionary * Gets frequency of colors occurring in an image * Compares most common color in an image to the most common color in other images |
| Comments |  |

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| Week 6 | Project Status: Red |
| Tasks Completed/New Functionality | * Wrote methods that grabs individual ARGB frequencies, and can grab the most frequent value in each individual ARGB |
| Comments |  |

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| Week 7 | Project Status: Red |
| Tasks Completed/New Functionality | * RE-wrote color analysis. Color analysis is now more accurate and quicker. * Wrote Saturation analysis. Needs some work, can get more than 100% match * Increased sample data size. |
| Comments |  |

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| Week 8 | Project Status: Yellow |
| Tasks Completed/New Functionality | * Reworked algorithm for analyzing dimensions * Improved accuracy of algorithm for color * Added functionality for basic machine learning * New GUI and improved GUI features |
| Comments |  |

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| Week 9 | Project Status: |
| Tasks Completed/New Functionality | * Enhanced Knowledge of machine learning * Found third party code to allow for edge detection * Added self-teaching option for application |
| Comments |  |

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