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| Student Name: | Alex Mounsey | | Student Number: | C00183849 |
| Working Title: | Procedural Generation of Music using Music Theory and Cellular Automata | | | |
| Description: | I will use Cell Automata to procedurally generate music, users will be able to customise instrument, tempo, and emotion i.e happy upbeat piano or angry fast paced guitar. | | | |
| Reasons for selecting project: | | I enjoy music and Cell Automata seem very interesting. Combining music, an art form with code, a logical system is both challenging and incredibly intriguing. | | |
| Proposed research content: | | <https://www.whitman.edu/Documents/Academics/Mathematics/andrewgw.pdf>  <http://noyzelab.com/research/Burraston-CAreview.pdf> | | |
| External links (if applicable): | | <https://docs.google.com/document/d/1PvqaEqirAY6ZtxgxNAZ9xoGKVkxgNbMB3PLU9CSDl-U/edit?usp=sharing> | | |
| Hardware requirements: | | NA | | |
| Software requirements: | | NA | | |
| Other requirements: | | NA | | |

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| Signed: | | Date: |
| **For Office Use Only** | | |
| Approved/Not  Approved: | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| Reasons for not approving project: |  | |
| Conditions attached to approving project: |  | |
| Approved/Not Approved: | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| Name of Supervisor: |  | |
| Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |