**Create Task Project Self Evaluation**

In partnerships, each group member must fill in this sheet independently. If significant differences in marks arise, your teacher will discuss with the students involved.

***1. Project Meta-info***

|  |
| --- |
| Project Subject or Title: 3d mapping function |
| Development Software & Tools Used: python, pygame, vs code, numpy, git |
| File name (of main class, etc.): vis.py |
| File location of main class (username, folders, etc.): 3d\_mapping\_func\_w\_vis |
| Loading instructions (if necessary): run virtual environment (venv\Scripts\activate) |
| Usernames and Passwords (if necessary): bobe |
| Other useful info for running file (if necessary): datapoints need to be pre entered in the data.py file |
| Links to websites/videos used to help with code (if necessary): (Specific code borrowed from other sources should be labelled with comments within your program which contain the links relevant to that code. Those links should also be copied here.) no websites used. chatGPT was useless and stackoverflow never got back to me. formulas were derived with friends and debugging was done with help from friends as well. |

***2. Criteria for Success***

Copy & Paste your Criteria for Success (from your planning template document) below and change to size 8 font. Then describe as “Fully Achieved”, “Partially Achieved” or “Not Achieved”

|  |  |
| --- | --- |
| 50%  **-**I want it to display a given set of points on both a 2d and 3d plane  -It should be able to color points based on what data they represent  -It should be able to rotate the points in a 3d space  -It should be able to display a graph function in 2d | Achieved or Not Achieved  Yes. all points are displayed correctly and 2d graphs are functional. |
| 70%  -It should be able to display a 3d graph function  -The user should be able to manualy manipulate the graphs in real time rather than using preset numbers | Yes. graphs can be displayed and manipulated. |
| 90+%  -It should be able to identify where a point is in relation to graphs around it  -It should be able to predict an outcome based on its relation to surrounding points | Yes.  Yes. points can be identified based on the 2d function and predictions can be made based on these relations. |

***3. Self-Awarded Completion mark***

|  |  |
| --- | --- |
| Based on the above, your project COMPLETION mark should be:  (10% increments only).  100%. all functions work as intended. While there are still visual issues, it functions correctly. |  |
| *(Partners only):* Work-share multiplier: Based on how much of the project you personally completed, indicate the appropriate multiplier to the right:   * You completed **> 40%** of the work (i.e. your partner did no more than 1.5x the work you did), your **multiplier is 1**. * You completed **30-40%** of the work (i.e. your partner did around twice as much work you did), your **multiplier is 0.8**. * You completed **30-30%** of the work (i.e. your partner did around three to four times as much work you did), your **multiplier is 0.6**. * **Otherwise**, your **multiplier is 0**. * **(Note: If it is unclear from your Gantt chart *or* from a lack in comments in your code who did what work, both partners get a multiplier of 0.8.)** |  |
| *(Partners only):* Multiply your work-share multiplier by your project completion mark to get your self-awarded mark. |  |

If the above mark is not obviously connected directly to your Criteria For Success, explain why in the space below.

|  |
| --- |
|  |

***4. Complexity mark***

Based on the rubric below suggest a complexity mark by

* Highlighting your suggested mark. Example. 4-3.5
* Explaining the evidence in the cell below that column. This can be one or two sentences in length.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5 - 4.5 | 4 - 3.5 | 3 - 2.5 | 2 | 1 |
| Within the time given, the final project / learning reaches a complexity **far exceeding** that of the assignments completed in class.  Project/learning demonstrates CS30-level skills such as OOP, searching or sorting, recursion, Python, and/or other complexities. | Within the time given, the final project / learning reaches a complexity **slightly exceeding** that of the assignments completed in class.  Project/learning demonstrates **some** CS30-level skills such as OOP, searching or sorting, recursion, Python, and/or other complexities. | Within the time given, the final project / learning reaches a complexity **like** that of the assignments completed in class.  Project / learning demonstrates a **limited** grasp of CS30-level skills | While largely completed, the project / learning does not reach a satisfactory level of *complexity*. | The project / learning is left significantly incomplete and therefore clearly does not approach a satisfactory level of complexity. |
| Justification  Not only did I use object orientated programming along with python, the project was very complex with all of the various calculations that had to be made for each point. | Justification | Justification | Justification |  |

***4. Professionalism of User Interface mark***

Remember that You were not expected to achieve a ‘ready for market’ level of interface but would be rewarded for using more complex GUI concepts and/or for quality design. Based on the rubric below suggest a Professionalism of user interface by

* Highlighting your suggested mark. Example. 4-3.5
* Explaining the evidence in the cell below that column. This can be one or two sentences in length

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5 - 4.5 | 4 - 3.5 | 3 - 2.5 | 2 | 1 |
| Instructions/User interface is very user friendly.  It is logical, flawless, and consistent.  Attention to detail is obvious throughout. | Instructions/User interface is logical and consistent with rare exceptions  Attention to detail was paid throughout. | Instructions/User interface works but often has visual or logical inconsistencies. | Instructions/User interface is not user friendly. | Instructions/User Interface is only partially implemented. |
| Justification  My programs target audience is researchers or data scientists that wish to see the relation between points. Thus, i went with keybinds instead of buttons to maximise the space availible to display the data and make relations as clear as possible. All keys work consistantly and have backups. | Justification | Justification | Justification |  |

Digital: Signature: Michael V

Date: Jan 18 2024