**School of Computer Science & Mathematics**

**5200COMP – Group Project**

**Progress Report #2**

This form is used to document the fifth milestone deliverable for the assessment. It should represent the progress made with the proposal between the first progress meeting (documented in deliverable 3) and the second progress meeting.

The form should be submitted to Canvas by **Friday 22nd March 2024**.

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| **Group Name**  (as per Canvas) | SCI 11 |
| **Project Title**  (or working title) | Dog Breed Identification |
| **Present at Meeting** | Daniel Arnold  Joe Kemp  Ellis Dann  Patrick Bonk |
| **Apologies** | - |
| **Absent** | - |
| **Progress**  Describe the progress the group has made since the previous progress meeting and how the group has worked together to achieve this. Include an explanation of any changes to the previous proposal ideas and plan.  This should be 300-400 words. | The group has progressed relatively well. All members have begun working on their allotted tasks. The Dog Breed Identification software has been developed, featuring an intuitive and efficient user interface to interact with the application. The dog breeds can be identified with a surprisingly good degree of accuracy.  The UI has been developed to be more user friendly and allow more people the ability to use the software. We have done this by making the UI more consistent as to confuse the user less, as well as this we have improved the error prevention which has made it far harder for a user to run into an error while they are using the application.  We have continued to develop the AI and refine it to allow the results to be far more accurate. We have done this by allowing the AI to run through progressive learning algorithms to get more familiar with the images we are providing it with. This means that when it comes to users uploading their own images, the AI will be more accurate as it will have a better understanding of what defines each dog breed. These algorithms can continue to be run to make the AI better. Therefore these will continue to be done as much as possible to allow the AI to become even more accurate and more reliable.  We have also done more research into the ethics of our application. We will need to be able to inform the user of some aspects of our application in order for them to be aware of what our application does. This will be included in the UI either all in one place or where the respective ethics apply. For example, in the file upload section there could be a comment to make users aware that uploading personal images could breach their privacy. |
| **Remaining Work**  Identify tasks and actions that still need to be completed before the proposal is complete.  This should be in bullet-point form: the name of the task, with a 1 or 2 sentence brief explanation, and the group member responsible. | * Project Report – The group report will be worked on by all team members, however, Patrick will have the editorial role to ensure that the report is brought together comprehensively. * Increasing Code Readability (refining some elements) – The code must be slightly refined to become more readable. This includes adding comments and making variable names intuitive. The group members responsible for this activity are Ellis, Joe and Daniel. |
| **Provisional Contribution Scores**  If the work completed so far plus the remaining allocated workload is ‘broadly equivalent’ between group members then everyone should be given a provisional score of 10/10. The scores presented here should reflect those agreed in the meeting. | 10/10 Daniel Arnold  10/10 Joe Kemp  10/10 Ellis Dann  10/10 Patrick Bonk  Scores agreed upon by all members. |
| **Issues**  Document any issues the group has faced and how these are being addressed. | The group is yet to agree on a suitable format for the report. The group will meet to discuss how the report will look and what content is featured in the report.  There are some more implementations that must be made to the UI to reflect the ethical considerations made in the weeks prior, such as disclaimers, warning users against uploading personal images that may invade their privacy. |