Project Final Report for Option XXX TEAM NUMBER XXX

Team Members:
XXX First and Last name SN1234567
XXX First and Last name SN1234567
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1 Overview

Describe your system (approx. 1 paragraph). Identify the main user groups and what they are supposed to be able to achieve in your system. Link to your team video demo. Maximum 1 page.

2 System Architecture

Identify your tech stack to give context to the choice of the system architecture design – ensure you include various project components in your diagram so you don't just provide an abstract architecture that could have worked for any project. The diagram must have accompanying text that explains it clearly. After that, illustrate the level 1 data flow diagram (DFD). Be consistent in the use of notation. Explain your diagram clearly. Maximum 3 pages total.

3 System Features

Enumerate each feature included in this project as a set of bullet points, including buggy ones which you will indicate and explain. Provide 2-3 sentences to explain each feature so the reader is clear on how much work goes into making that feature work. Your list should be separated into: "Core Features" and "Bonus Features". Annotate which features were built by which team member. For all features, provide a percentage distribution to reflect the contribution of each member involved (see example below). If a feature is buggy, provide a clear indication about what is wrong with it (see example below). Page length will depend on how many features you implemented, but likely no more than 5 pages.

1. **Example Feature 1 (Student1 20%, Student2 80%):**
   Some explanation about this feature so the reader knows the time involved and complexity of getting this to work. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, manga.
   Known bug: This feature works as expected 90% of the time but 10% of the time it does X instead. We don't know what triggers it.

2. **Example Feature 1 (Student1 100%):**
   Some explanation about this feature so the reader knows the time involved and complexity of getting this to work. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna.
   Known bug: This feature was supposed to do X but it stops working when Y happens.

4 Project Rationale and Evaluation

Explain the specific design choices you made and the evaluation approach taken for your project. Details are explained in the bullet points per project option below. Maximum 3 pages.

1. **Image Aesthetics:**
   If your team worked on generating aesthetic images: Provide the algorithm taken to generate them, and a

text explanation as to how the algorithm works, and why the algorithm output will be aesthetically pleasing. Indicate your system performance (should be an accuracy percentage).
If your team worked on understanding whether a given image is aesthetically pleasing: Provide the algorithm taken to generate them, and a text explanation as to how the algorithm works, and why the algorithm output is correct. Indicate your system performance (should be an accuracy percentage).

2. **Charity Donation:**
   Explain the effectiveness of the gamification features that you implemented (reference the feature number from Section 3 as needed) and how that was evaluated.

3. **Policy Checking:**
   Provide the algorithm taken to convert the PDFs into text readable by the system, how you aligned the text and images across the two policy documents, and how your system generates discrepancies from the document pair. Explain how you evaluated whether the discrepancies were correct, and indicate your system performance (should be an accuracy percentage).

4. **Transactions Querying:**
   Explain your evaluation approach to determine whether the output of the transaction queries is correct or not. You may want to categorize the queries into different types to describe the results. Indicate your system performance (should be an accuracy percentage).

5 Installation and Setup

Explain the steps taken for someone else to install the code from your repo to successfully run the project on their local, as if they were going to test it and continue development with your project. If you already have this clearly done in your repo's README, just link to it. If your system has a deployed, production link, provide it here. Maximum 1 page.