Project Final Report for XXX TEAM NUMBER

Team Member: XXX First and Last name SN1234567

1. Overview

Provide identification and details on who is on the team and who the client is. Does the description include a high-level overview about the specific approach taken in this project along with presenting key system requirements? What is the UVP that is being offered by the project, who are the user groups and what is needed by each user group (just don’t put in your use case diagram; this should be a summary in high-level language of who each user group is and what they are offered by the product)? From reading this, the reader should have a solid and complete high-level understanding of the product. **(2-3 pages including diagrams)**

2. System Architecture

What is the final architecture of the system and what is the tech stack that was used (make sure to explain why)? What are the major components of the system design and how is it operationalized? You need to describe the structure of your project in sufficient detail (i.e. monolithic vs micro-services; what is the responsibility of each component)? This needs to include a system architecture diagram, a Level 1 DFD along with a discussion of tech stack. Be consistent in the use of notation (make sure to use proper industry-accepted formats and explain each diagram clearly; you will lose marks if it is just a lonely diagram without a proper discussion. This section must provide enough detail for a technical person to understand how the system was built, what the components are, what are the key processes in the system and how data flows within the system and is processed. **(2-3 pages including diagrams)**

3. System Features

Which features are complete and working? A complete list of features needs to be included to describe the system (**this part (the feature list) can be worked on as a team since features may have been divided up in a way that only one person worked on each feature in the list**). With this, it needs to include an accurate enumeration of the features that are working, buggy and what is not working about them. This should map to the scope of the project (presented in the overview).

Individually, 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 (brief) sentences to explain each feature so the reader is clear on how much work goes into making that feature work. **Page length will depend on how many features were implemented.**

1. Example Feature 1: 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.

2. ∗Example Feature 2: some explanation about this feature so the reader knows the time involved and complexity of getting this to work. If this feature is yours, add an Asterisk. 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.

**4.** Features You Individually Completed

How much of the project did you work on? In your report, you will need to individually provide an annotation of the full feature list AND clearly indicate which features you have worked on (For example, put an asterisk beside the feature you did so you don't re-type all your features again, or put it into a table). **For each feature that you developed, you need to provide enough details for a technical person to understand how much work goes into building them and how they work (what does it do/how does it work).** The portion of features you worked on represents roughly 1/Nth of the work involved in the project with respect to both quantity and complexity, where N is the number of members in your team (and should be reflected by repo activities). **(Page length will depend on how many features you implemented, but likely no more than 5 pages)**

5. Installation and Setup

How should someone else install and run your project to test it or to continue development with it? Each team member needs to detail (in their own words), a clear set of steps to install your project on a local machine to get it to run successfully. If there are specific environment settings, versions, or IDE requirements we need to know about, state those clearly. Note: Do not copy text from the README of your repo because if multiple students do that, you will all have identical writing, and your reports will be flagged for plagiarism. This section should be no more than 1 page.

6. Lesson's Learned and Project Reflections

Individually, students will critically evaluate their project experience, focusing on the development process, challenges encountered, and personal and team growth. Individuals will reflect on how well the project objectives and deliverables were met, analyze major challenges and solutions, and identify key lessons learned. You will need to reflect on:

1. Development Process (considering an analysis of the development process, including planning, implementation, and iteration; reflects on team dynamics, workflow, and the use of tools and methodologies).
2. Challenges and Solutions (reflecting on how well the project deliverables met the initial requirements and expectations; discuss any deviations and their reasons)
3. Personal and Team Growth (**reflect** on personal and team growth, including skills developed, knowledge gained, and how experiences will influence future projects)
4. Lessons Learned (clearly articulate key lessons that **YOU** learned from the project; reflect on how these lessons will impact future work and personal development.

With this reflection:

* **Be Honest and Reflective:** This exercise is for your personal and professional growth. Honest reflections will help you learn from your experiences.
* **Provide Specific Examples:** Use specific examples from your project to illustrate your points. This adds depth and credibility to your reflections.
* **Connect to Future Work:** Think about how what you learned during this project will influence your future projects and professional behavior.
* **Collaborate and Discuss:** Discuss your reflections with your team members. Different perspectives can help you see things you might have missed.

This section should be no more than 1 page.