Hazard Analysis
ProgName

Team #, Team Name
  Student 1 name
  Student 2 name
  Student 3 name
  Student 4 name

Table 1: Revision History

Date	Developer(s)	Change
Date1	Name(s)	Description of changes
Date2	Name(s)	Description of changes
...	...	...

Contents

1 Introduction

2 Scope and Purpose of Hazard Analysis

3 System Boundaries and Components

4 Critical Assumptions

- We will assume that any health care provider using our product would not intentionally misuse it.

- We will assume that any health care provider using our product would not use our product with malicious intent and only use it to help their patient.

- We will assume that the libraries and functions we utilize in our code work as expected such as NumPy, Pandas, and SkLearn.

5 Failure Mode and Effect Analysis

6 Safety and Security Requirements

SR3. The system will be tested periodically to detect crashes and a potential lack of processing power

Rationale: As we build our system out we will be adding more features and increasing the complexity, which increases the processing power required. This may lead to crashes or issues with a lack of processing power that will need to periodically be checked. This is to check the hardware limitations.

Associated Hazards: H2-1

SR4. The system will run through a series of tests (GitHub Actions) before deploying/pushing new builds

Rationale: This will be done to ensure that the system is still working as expected with our new changes and that nothing has broken before we deploy a new build. These tests will help us detect that and allow us to go back and fix any issues that arise.

Associated Hazards: H4-1

SR5. The team will regularly push there commits while working on the code

Rationale: This needs to be done in order to avoid losing code/work. If something were to happen to the team members computer for whatever reason and the work that was done after the last commit was to be deleted/lost, frequent commits would help ensure minimal lose.

Associated Hazards: H5-1

7   Roadmap

[Which safety requirements will be implemented as part of the capstone timeline? Which requirements will be implemented in the future? —SS]