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

[You are free to modify this template. —SS]

1 Introduction

[You can include your definition of what a hazard is here. —SS]

2 Scope and Purpose of Hazard Analysis

3 System Boundaries and Components

4 Critical Assumptions

[These assumptions that are made about the software or system. You should minimize the number of assumptions that remove potential hazards. For instance, you could assume a part will never fail, but it is generally better to include this potential failure mode. —SS]

5 Failure Mode and Effect Analysis

[Include your FMEA table here —SS]

6 Safety and Security Requirements

SR1.

SR2.

SR3.

SR4.

SR5.

SR6. The system will operate using cleaned data that does not contain duplicates

Rationale: It is important for the system to operate off clean and effective data in order to mitigate the chances of incorrect predictions.

SR7. The system data will only operate off of verified data free from copying errors

Rationale: It is important for the system to work off of internally approved datasets that have come from the correct sources and do not contain data transfer errors in order to help ensure a better output.

SR8. The system will be tested against plainly appearent data to guide and ensure prediction functionality

Rationale: The system should be able to output correct diagnosis for less nuanced dataset tests in order to help ensure consistent predication capabilites between system updates.

7 Roadmap

[Which safety requirements will be implemented as part of the capstone timeline? Which requirements will be implemented in the future? —SS] This hazard analysis has been able to identify various threats to the safety and security of this project, that will need to be accounted for in order to help keep project progress on track and reach the desired milestones. The hope for the team is to be mindful of these hazards and gradually implement protections over the course of the development project with the hopes of meeting all of these requirements in the Revision 1 implementation. Due to the nature of the project being built to the specifications of the eRisk competition, the team must be mindful of our limitations when it comes to implementation, and we recognize that aspects of the project and any corresponding requirements will be out of our hands and may not be met. The requirements that we felt were most vital and achievable in our timeline were the safety and privacy concerns from SR1 and SR2, as that falls clearly under our personal responsibilities and practises.