

# Hazard Analysis

## Mechatronics Engineering

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Table 1: Revision History

<b>Date</b>	<b>Developer(s)</b>	<b>Change</b>
Date1	Name(s)	Description of changes
Date2	Name(s)	Description of changes
...	...	...

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[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]

- All users are fluent in English.
  - The device will not have to handle any other languages.
- No wireless data transfer required.
  - The device operates completely offline, and will not be limited to use in wifi environment.
- All participants will receive verbal instructions prior to using the device.
  - It is assumed that all users will understand how to enter correct response to each question prompt. Any user inputs will be treated as valid response.
- The device is to be used under normal daily activities.
  - The device will not have to be designed for extraneous activities outside of the scope of EMA.

## 5 Failure Mode and Effect Analysis

[Include your FMEA table here —SS]

## 6 Safety and Security Requirements

[Newly discovered requirements. These should also be added to the SRS. (A rationale design process how and why to fake it.) —SS]

## 7 Roadmap

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