

# Reflection Report on Natural Language Processing for Mental Health Risk Prediction

Team 13, The Cognitive Care Crew  
Jessica Dawson  
Michael Breau  
Matthew Curtis  
Benjamin Chinnery  
Yaruo Tian

[Reflection is an important component of getting the full benefits from a learning experience. Besides the intrinsic benefits of reflection, this document will be used to help the TAs grade how well your team responded to feedback. In addition, several CEAB (Canadian Engineering Accreditation Board) Learning Outcomes (LOs) will be assessed based on your reflections. —TPLT]

## 1 Changes in Response to Feedback

[Summarize the changes made over the course of the project in response to feedback from TAs, the instructor, teammates, other teams, the project supervisor (if present), and from user testers. —TPLT]

[For those teams with an external supervisor, please highlight how the feedback from the supervisor shaped your project. In particular, you should highlight the supervisor's response to your Rev 0 demonstration to them. —TPLT]

### 1.1 SRS and Hazard Analysis

### 1.2 Design and Design Documentation

### 1.3 VnV Plan and Report

## 2 Design Iteration (LO11)

[Explain how you arrived at your final design and implementation. How did the design evolve from the first version to the final version? —TPLT]

### 3 Design Decisions (LO12)

[Reflect and justify your design decisions. How did limitations, assumptions, and constraints influence your decisions? —TPLT]

### 4 Economic Considerations (LO23)

[Is there a market for your product? What would be involved in marketing your product? What is your estimate of the cost to produce a version that you could sell? What would you charge for your product? How many units would you have to sell to make money? If your product isn't something that would be sold, like an open source project, how would you go about attracting users? How many potential users currently exist? —TPLT]

### 5 Reflection on Project Management (LO24)

[This question focuses on processes and tools used for project management. —TPLT]

#### 5.1 How Does Your Project Management Compare to Your Development Plan

[Did you follow your Development plan, with respect to the team meeting plan, team communication plan, team member roles and workflow plan. Did you use the technology you planned on using? —TPLT]

#### 5.2 What Went Well?

[What went well for your project management in terms of processes and technology? —TPLT]

#### 5.3 What Went Wrong?

[What went wrong in terms of processes and technology? —TPLT]

#### 5.4 What Would you Do Differently Next Time?

If given the opportunity to work on a similar project which would require the coordination of 2 independent groups, we feel that the best course of action would be to be more strict with our merging timelines in order to foster better results for everyone. Earlier stages of the project's development lost valuable time when there weren't clear boundaries and roles of how the teams would interact. Both teams were so focused on managing their immediate responsibilities that less emphasis was put on the bigger picture, so that when the time came for the systems to start integration both teams realized that valuable time and effort

was misplaced either doing overlapped responsibilities, or creating systems that would require some reworking in order to work within the other team's design constraints. Overall, better communication would lead to stronger team synergy, and less misplaced effort that could be better directed at making a more efficient project.