To: Professor

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Date: 11/14/2022

Subject: A proposal for our 488 Capstone Project

Purpose: The purpose of this proposal is to describe our project, our project will follow the journey of a protagonist who is working their way through the computer science program in their [x] (number of years wip) years of university. The project will be programmed using  python and utilizing the RenPy library. The project will also utilize Generational Adversarial Network Artificial Intelligence in creating assets. We hope to showcase the application of AI to the entertainment industry as a viable creative tool in making the next generation of content.

High Level Requirements:

1. This application will be coded in python using RenPy library
2. At the beginning of the application the user will be able to choose their name and from  
   different preset option designs.
3. The application will store a number of different stats that will be stored and viewable to  
   the player that will change based off the decisions they make, ex: stress levels, knowledge,  
   social standing
4. The application will have branching paths based off stats and decisions they make: example stress  
   levels were too high and you got sick.
5. The application will display choices that the user can pick that lead to different events,  
   However if a stat requirement is not met the option will be grayed out.
6. The user must be able to save and load their progress.
7. The user must be able to see a text history log.
8. The program must be able to add background music based on what scene the user is in.
9. The program needs to be able to change the volume of music.
10. The program needs to have an auto scroll text feature, and a skip text option.
11. The program will need to implement “bad” endings, that will restart you to a previous choice.
12. The program will have mini games based off real world computer science constructs  
    (ex: game with demon mini game, spot the semicolon)
13. The program will have a calendar on the top right keeping track of the date throughout  
    The user’s semester.