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*Game Wizard*

***Game Wizard* Requirements**

Introduction

This document will contain UML Documents and Diagrams explaining the functionality, use, and requirements for our application, Game Wizard.

Description Model

Using text, describe the requirements for your system. Expand on the function section from your project plan. Include requirements for the following categories: Output, Input, Processes, Performance and Security.

In our application Game Wizard, there are many needed requirements for this application. First, we need a user creation system, to create users to allow them to track and save their data. We also need a user deletion system, update, and read system for users. This will create the user platform needed for the application. With all of this, we also need a forum system, where users can create posts up to 300 words, comment on posts up to 150 words, delete posts, and edit posts. These posts can contain links to videos, video files, emojis, images, and audio files. These posts could be made by any user, and they could relate to a video game, news about a game, or just a post in general of something related to the forum they are posting in. Finally, a messaging system will be put in place where users can send and receive messages. These messages can be 150 words each. These messages can include, pictures, videos, audio messages, emojis, and links as well. Users will not be able to delete and edit messages once sent. We also plan to have users log in with a password and Two Factor Authentication through either their email or phone number as a part of security. Passwords must include symbols, numbers, and a mix of capital letters and lowercase letters. We also plan to use a Breach Password List to make sure that users are not using breached passwords on their accounts for an extra measure of safety. Their username will be their email for the log in. We plan to encrypt messages through servers and make Game Wizard a platform functional for anyone to use, while also keeping it secure to the user.

Class Diagram

SEE ATTACHED DIAGRAM IN GITHUB

Use Case Diagram

SEE ATTACHED DIAGRAM IN GITHUB

Use Case Scenarios

SEE ATTACHED DIAGRAM IN GITHUB

System Sequence Charts

SEE ATTACHED DIAGRAM IN GITHUB