**PROJECT PROPOSAL**

GameMaster Discord Bot

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## Project Proposal

### Project Abstract

This document proposes a discord bot application that serves as a hub for users to play small board games. The discord bot will be added to a discord server and the games will be played within a discord server. Users can customize visually aspects of the game as well as board size. GameMaster will allow discord users to connect and have fun through playing games.

### High Level Requirement

Describe the requirements – i.e., what the product does and how it does it from a user point of view – at a high level. (You can include screenshot mockup of the interface)

### Conceptual Design

Describe with text (and maybe UML diagrams) the initial design concept: Hardware/software architecture, programming language, operating system, etc.

### Proof of Concept

Link to a GitHub repository (created with the github classroom link in the Canvas assignment). In this repository include code using the same programming language and operating system and APIs needed to demonstrate the tools are going to work together. The code does not need to be extensive, but it needs to compile and run. It is ok if the code is straight from a tutorial if it is compiling and running. Include a README.MD in the main directory with instructions on how to run and compile the code.

If your project is as contribution to an open source, you need to show you can modify, compile and run the source code of the project. Simply create a README.MD with instructions on how to do it. Specify the operating system used, the compiler used and a code modification you have done.

### Background

The background will contain a more detailed description of the product and a comparison to existing similar projects/products. A literature search should be conducted and the results listed. Proper citation of sources is required. If there are similar open-source products, you should state whether existing source will be used and to what extent. If there are similar closed-source/proprietary products, you should state how the proposed product will be similar and different.

### Required Resources

Discuss what you need to develop this project. This includes background information you will need to acquire, hardware resources, and software resources. If these are not part of the standard Computer Science Department lab resources, these must be identified early and discussed with the instructor.

## Project Design

### Vision

FOR Discord users WHO want to have a fun minigame to interact with friends on the platform, THE GameMaster is a Discord bot THAT will help users set up small minigames, such as Tic-Tac-Toe.

UNLIKE other Discord bots, such as Tic-Tac-Toe bot, the focus of GameMaster is to provide a "hub" for users to have multiple games of varying difficulty and engagement. OUR product acts as a "one stop shop" for different fast and fun minigames between friends on Discord.

**User Personas**

**Brandon, gamer that works from home**

Brandon, age 24 works a sales position for a payroll company. He used to work in the office but when the pandemic happened he had to work from home. In his spare time he loves to play video games. Brandon would rather play video games and talk with his friends on discord then make endless cold call after cold call for work. Brandon has been able to be productive at work while still playing a lot of video games daily.

He found himself getting very bored of all the video games that he was playing. He wishes there was an easy way for him and his discord friends to play quick simple games that are fun to pass the time. He is looking for games with low learning curves so his friend will be more tempted to play with him. Brandon and his friends already all use discord to connect so it would be very convenient if there was a way to play games through discord. This would allow him an easy outlet to pass the time when he gets bored.

**Corey, a Human Resources Department Manager**

Corey is a 35 year old Human Resources Manager for a technology department at a large corporation. He was just assigned to a team of 20 individuals that all work a variety of roles within the department. Some of the people who work in his department work from home and others may not interact much due to their work not needing the communication. Corey would like to get the whole team together to help cultivate a more cohesive and communicative team. Unfortunately, he faces too many limitations to make that happen in person. He believes that he found the right platform to allow for communication and comeraderie in the GameMaster bot on Discord. He can create a private server for his team and they can all get to know each other better through playing games without too much effort.

**User Personas (Cont’d)**

**Joey, a tech savvy junior looking to connect with family and friends.**

Joey is a young teen looking into hosting his own Discord server for friends and family. While looking for some fellow gamers to join up in group games, he discovered that using Discord was an incredibly fun and safe place to be and meet people with shared interests. After speaking with his family about creating a server so that they could stay in touch, Joey’s parents gave him permission to start his own server and moderate it. He is looking forward to including small/quick games into the server to stay connected with his family and friends.

**Theodore, a kind-hearted dentist who wants to spend time with his grandchildren**

Theodore, or "Ted" for short, is an 87 year old grandfather of 5 who watns to spend more time with his grandchildren, who live throughout the United States. He heard them discussing Discord prior as a way to keep in touch, and successfully created his own server he can use to keep in touch which all of his grandchildren at once. A huge fan of quick and easy games to play, such as Tic Tac Toe, Ted downloaded GameMaster to join his server so he can have quick and easy games to play with his grandchildren whenever they all have time in their busy schedule. This way they can always be in touch even outside of major holidays.

### Class Diagram

All existing classes or to be implemented classes should be represented. The diagram should be accompanied by text describing what is represented on the diagram. The text should be a walkthrough as if you were explaining the important things about your project to a colleague that do not understand UML well and is new to your project.

Remove all text in yellow before submitting.

## Project Progress

### Week 2 Progress

**Sprint Goal:** A sprint goal is a short, one or two sentences, description of what the team plans to achieve during the sprint.

**Backlog Features**

* User visible features worked on during this spring

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| --- | --- | --- |
| **Tasks in Sprint** | **Task Status at end of Sprint** | **Assigned To** |
|  | Not Started / Partially completed / Completed |  |
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