**PROJECT PROPOSAL**

*Simple Minds*

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Project Abstraction

For starters, the Trivia application will be a desktop application that features trivia questions for the user to answer while keeping a score. The User will be able to choose different categories and difficulties for trivia questions, for example, one category could be about literature while another is on specific sports history. For the baseline, I want to make it a one-person experience, but if there is extra time or the project is easier than expected, having multiple people participate in the same trivia questions could be a possible goal.

Conceptual design

The web or desktop app will use an open trivia API that provides a Json of different questions divided into categories and difficulties containing the questions and answers for every question. It will mostly be created using Javascript and if it's a web application it will also include HTML and CSS and for the backend, it will most likely be in Java.

Proof of concept

<https://github.com/winterdl/OpenTrivia>

Background

The most similar applications to this project idea would be Kahoot and Trivia Crack; to make this project different the trivia or question-based game will not be based on user-created questions but pre-existing questions from the open API and maybe some added categories and questions from the people developing the project. The project could be featured as a discord bot or separate desktop application which would be different from Kahoot’s web-based application.

Required resources

A coding-able device - Mac or Windows - with Java, Javascript, and HTML/CSS. No other physical hardware or any other extra costs are required for this project. Also, familiarize yourself with a JSON file and how to read/use it for development (should be simple to learn).